

POLYSWITCH RESETTABLE DEVICES

Radial-Leaded Devices

Littelfuse's PolySwitch radial-leaded products represent the most comprehensive and complete set of PPTC products available in the industry today.

- RGEF series for hold currents up to 14A
- RHEF series for flatter thermal derating and operating temperatures up to 125°C
- RUEF series for balance of voltage rating (30V) and hold current (up to 9A)
- RUSBF series for fast time-to-trip and low-resistance computer applications
- RXEF series for low hold currents (down to 50mA) and high voltage rating (up to 72V)
- RKEF series for balance of voltage rating (60V) and hold current (up to 5A)
- Now offering halogen free versions of all products



BENEFITS

- Many product choices help provide engineers more design flexibility
- Compatible with high-volume electronics assembly
- Assists in meeting regulatory requirements
- Higher voltage ratings allow use in new applications

FEATURES

- RoHS compliant
- Halogen free (refers to: Br \geq 900ppm, Cl \geq 900ppm, Br+Cl \geq 1500ppm)
- Broadest range of radial-leaded resettable devices available in the industry
- Current ratings from 50mA to 15A
- Voltage ratings from 6V (computer and electronic applications) to 72V
- Agency recognition : UL, CSA, TÜV, CQC**
- Fast time-to-trip
- Low resistance

**CQC only applies to RXEF, RUEF family parts

APPLICATIONS

- Satellite video receivers
- Industrial controls
- Transformers
- Modems
- CD-ROMs
- Game machines
- Phones
- Fax machines
- Analog and digital line cards
- Printers
- Intelligent appliance
- Robotic machine
- Power supply
- Security
- Lighting
- Medical application

PolySwitch Resettable Devices

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Application Selection Guide

The guide below lists PolySwitch radial-leaded devices that are typically used in each of the applications described.

Specifications for the suggested device part numbers can be found in this section.

Once a part number has been selected, the user should evaluate and test each product for its intended application.

| Protection Application | PolySwitch Resettable Devices – Key Selection Criteria | | |
|---|--|------------------|------------------------------|
| | Small Size | Flatter Derating | Lower Current Higher Voltage |
| Electromagnetic Loads | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Halogen Lighting | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Lighting Ballast | RXEF (<72V) | | |
| Loudspeakers | RXEF (<72V) | | RXEF (<72V), RKEF (<60V) |
| Medical Equipment | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| MOSFET Devices | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Motors, Fans and Blowers | RXEF (<72V), RGEF (<16V) | RHEF (<16V) | |
| POS Equipment | RXEF (<72V), RUEF (<30V) | | |
| Process and Industrial Controls | RXEF (<72V), RUEF (<30V) | | |
| Satellite Video Receivers | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Security and Fire Alarm Systems | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Test and Measurement Equipment | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| Transformers | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |
| DDC Computer and Consumer Electronics | RUEF (<30V) | | |
| Mouse and Keyboard | RUEF (<30V) | | |
| SCSI | RUEF (<30V) | | |
| USB | RUSBF (<16V) | | |
| Traces and Printed Circuit Board Protection | RGEF (<16V), RUEF (<30V) | RHEF (<16V) | RXEF (<72V), RKEF (<60V) |

Note : This list is not exhaustive. Littelfuse welcomes customer input for additional application ideas for PolySwitch resettable devices.

Table R1 – Product Series - Current Rating, Voltage Rating/Typical Resistance

| Voltage Rating | RXEF 72V | RKEF 60V | RXEF 60V | RUEF 30V | RGEF 16V | RHEF 16V | RHEF 30V | RUSBF 16V | RUSBF 6V |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Hold Current (A) | | | | | | | | | |
| 0.050 | — | — | 9.20Ω | — | — | — | — | — | — |
| 0.100 | — | — | 3.50Ω | — | — | — | — | — | — |
| 0.170 | — | — | 4.30Ω | — | — | — | — | — | — |
| 0.200 | 2.290Ω | — | — | — | — | — | — | — | — |
| 0.250 | 1.600Ω | — | — | — | — | — | — | — | — |
| 0.300 | 1.110Ω | — | — | — | — | — | — | — | — |
| 0.400 | 0.710Ω | — | — | — | — | — | — | — | — |
| 0.500 | 0.640Ω | 0.425Ω | — | — | — | — | 0.68Ω | — | — |
| 0.550 | — | — | — | — | — | — | — | — | — |
| 0.650 | 0.400Ω | 0.350Ω | — | — | — | — | — | — | — |
| 0.700 | — | — | — | — | — | — | 0.42Ω | — | — |
| 0.750 | 0.325Ω | 0.295Ω | — | — | — | — | — | — | 0.140Ω |
| 0.900 | 0.255Ω | 0.255Ω | — | 0.095Ω | — | — | — | 0.100Ω | — |
| 1.000 | — | — | — | — | — | — | 0.24Ω | — | — |
| 1.100 | 0.200Ω | 0.225Ω | — | 0.075Ω | — | — | — | 0.075Ω | — |
| 1.200 | — | — | — | — | — | — | — | — | 0.080Ω |
| 1.350 | 0.155Ω | 0.165Ω | — | 0.060Ω | — | — | — | 0.060Ω | — |
| 1.550 | — | — | — | — | — | — | — | — | 0.058Ω |
| 1.600 | 0.115Ω | 0.150Ω | — | 0.050Ω | — | — | — | 0.050Ω | — |
| 1.850 | 0.100Ω | 0.106Ω | — | 0.045Ω | — | — | — | 0.045Ω | — |
| 1.900 | — | — | — | — | — | — | — | — | — |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R1 — Product Series - Current Rating, Voltage Rating/Typical Resistance (Cont'd)

| Voltage Rating | RXEF 72V | RKEF 60V | RXEF 60V | RUEF 30V | RGEF 16V | RHEF 16V | RHEF 30V | RUSBF 16V | RUSBF 6V |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Hold Current (A) | | | | | | | | | |
| 2.000 | — | — | — | — | — | 0.0610Ω | — | — | — |
| 2.500 | 0.065Ω | 0.063Ω | — | 0.030Ω | 0.0380Ω | — | — | 0.030Ω | — |
| 3.000 | 0.050Ω | 0.040Ω | — | 0.035Ω | 0.0514Ω | 0.0430Ω | — | — | — |
| 3.750 | 0.040Ω | 0.029Ω | — | — | — | — | — | — | — |
| 4.000 | — | 0.026Ω | — | 0.020Ω | 0.0300Ω | 0.0320Ω | — | — | — |
| 4.500 | — | — | — | — | — | 0.0290Ω | — | — | — |
| 5.000 | — | 0.021Ω | — | 0.020Ω | 0.0192Ω | — | — | — | — |
| 5.500 | — | — | — | — | — | 0.0200Ω | — | — | — |
| 6.000 | — | — | — | 0.013Ω | 0.0145Ω | 0.0175Ω | — | — | — |
| 6.500 | — | — | — | — | — | 0.0144Ω | — | — | — |
| 7.000 | — | — | — | 0.013Ω | 0.0105Ω | 0.0132Ω | — | — | — |
| 7.500 | — | — | — | — | — | 0.0120Ω | — | — | — |
| 8.000 | — | — | — | 0.013Ω | 0.0086Ω | 0.0110Ω | — | — | — |
| 9.000 | — | — | — | 0.008Ω | 0.0070Ω | 0.0100Ω | — | — | — |
| 10.00 | — | — | — | — | 0.0056Ω | 0.0083Ω | — | — | — |
| 11.00 | — | — | — | — | 0.0050Ω | 0.0073Ω | — | — | — |
| 12.00 | — | — | — | — | 0.0046Ω | — | — | — | — |
| 13.00 | — | — | — | — | — | 0.0055Ω | — | — | — |
| 14.00 | — | — | — | — | 0.0040Ω | 0.0050Ω | — | — | — |
| 15.00 | — | — | — | — | — | 0.0050Ω | — | — | — |

Table R2 — Thermal Derating [Hold Current (A) at Ambient Temperature (°C)]

| Part Number | Maximum Ambient Temperature | | | | | | | | | | |
|---------------------|-----------------------------|-------|------|------|-------|------|-------|-------|-------|------|-------|
| | -40°C | -20°C | 0°C | 20°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C | 125°C |
| RXEF 60V | | | | | | | | | | | |
| RXEF005 | 0.078 | 0.068 | 0.06 | 0.05 | 0.048 | 0.04 | 0.035 | 0.032 | 0.027 | 0.02 | — |
| RXEF010 | 0.160 | 0.140 | 0.11 | 0.10 | 0.096 | 0.08 | 0.072 | 0.067 | 0.050 | 0.04 | — |
| RXEF017 | 0.260 | 0.230 | 0.21 | 0.17 | 0.160 | 0.14 | 0.120 | 0.110 | 0.090 | 0.07 | — |
| RXEF 72V | | | | | | | | | | | |
| RXEF020 | 0.31 | 0.27 | 0.24 | 0.20 | 0.19 | 0.16 | 0.14 | 0.13 | 0.11 | 0.08 | — |
| RXEF025 | 0.39 | 0.34 | 0.30 | 0.25 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.10 | — |
| RXEF030 | 0.47 | 0.41 | 0.36 | 0.30 | 0.29 | 0.24 | 0.22 | 0.20 | 0.16 | 0.12 | — |
| RXEF040 | 0.62 | 0.54 | 0.48 | 0.40 | 0.38 | 0.32 | 0.29 | 0.25 | 0.22 | 0.16 | — |
| RXEF050 | 0.78 | 0.68 | 0.60 | 0.50 | 0.48 | 0.41 | 0.36 | 0.32 | 0.27 | 0.20 | — |
| RXEF065 | 1.01 | 0.88 | 0.77 | 0.65 | 0.62 | 0.53 | 0.47 | 0.41 | 0.35 | 0.26 | — |
| RXEF075 | 1.16 | 1.02 | 0.89 | 0.75 | 0.72 | 0.61 | 0.54 | 0.47 | 0.41 | 0.30 | — |
| RXEF090 | 1.40 | 1.22 | 1.07 | 0.90 | 0.86 | 0.73 | 0.65 | 0.57 | 0.49 | 0.36 | — |
| RXEF110 | 1.71 | 1.50 | 1.31 | 1.10 | 1.06 | 0.89 | 0.79 | 0.69 | 0.59 | 0.44 | — |
| RXEF135 | 2.09 | 1.84 | 1.61 | 1.35 | 1.30 | 1.09 | 0.97 | 0.85 | 0.73 | 0.54 | — |
| RXEF160 | 2.48 | 2.18 | 1.90 | 1.60 | 1.54 | 1.30 | 1.15 | 1.01 | 0.86 | 0.64 | — |
| RXEF185 | 2.87 | 2.52 | 2.20 | 1.85 | 1.78 | 1.50 | 1.33 | 1.17 | 1.00 | 0.74 | — |
| RXEF250 | 3.88 | 3.40 | 2.98 | 2.50 | 2.40 | 2.03 | 1.80 | 1.58 | 1.35 | 1.00 | — |
| RXEF300 | 4.65 | 4.08 | 3.57 | 3.00 | 2.88 | 2.43 | 2.16 | 1.89 | 1.62 | 1.20 | — |
| RXEF375 | 5.81 | 5.10 | 4.46 | 3.75 | 3.60 | 3.04 | 2.70 | 2.36 | 2.03 | 1.50 | — |

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Table R2 – Thermal Derating [Hold Current (A) at Ambient Temperature (°C)] (Cont'd)

| Part Number | Maximum Ambient Temperature | | | | | | | | | | |
|-------------------------------------|-----------------------------|-------|-------|------|------|------|------|------|------|------|-------|
| | -40°C | -20°C | 0°C | 20°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C | 125°C |
| RKEF; 60V | | | | | | | | | | | |
| RKEF050 | 0.73 | 0.65 | 0.58 | 0.50 | 0.48 | 0.42 | 0.38 | 0.34 | 0.31 | 0.26 | — |
| RKEF065 | 0.94 | 0.85 | 0.75 | 0.65 | 0.63 | 0.54 | 0.50 | 0.44 | 0.40 | 0.34 | — |
| RKEF075 | 1.09 | 0.98 | 0.86 | 0.75 | 0.73 | 0.62 | 0.58 | 0.51 | 0.46 | 0.39 | — |
| RKEF090 | 1.30 | 1.17 | 1.04 | 0.90 | 0.87 | 0.75 | 0.69 | 0.61 | 0.55 | 0.47 | — |
| RKEF110 | 1.60 | 1.43 | 1.27 | 1.10 | 1.06 | 0.92 | 0.85 | 0.75 | 0.67 | 0.57 | — |
| RKEF135 | 1.96 | 1.76 | 1.55 | 1.35 | 1.31 | 1.12 | 1.04 | 0.92 | 0.83 | 0.71 | — |
| RKEF160 | 2.32 | 2.08 | 1.84 | 1.60 | 1.55 | 1.33 | 1.23 | 1.08 | 0.98 | 0.83 | — |
| RKEF185 | 2.68 | 2.41 | 2.13 | 1.85 | 1.79 | 1.54 | 1.43 | 1.26 | 1.13 | 0.96 | — |
| RKEF250 | 3.63 | 3.25 | 2.88 | 2.50 | 2.43 | 2.08 | 1.93 | 1.70 | 1.52 | 1.31 | — |
| RKEF300 | 4.35 | 3.90 | 3.45 | 3.00 | 2.91 | 2.50 | 2.30 | 2.04 | 1.84 | 1.55 | — |
| RKEF375 | 5.44 | 4.88 | 4.31 | 3.75 | 3.64 | 3.11 | 2.90 | 2.54 | 2.29 | 1.94 | — |
| RKEF400 | 5.80 | 5.20 | 4.60 | 4.00 | 3.88 | 3.32 | 3.08 | 2.73 | 2.45 | 2.08 | — |
| RKEF500 | 7.25 | 6.50 | 5.75 | 5.00 | 4.85 | 4.15 | 3.85 | 3.41 | 3.06 | 2.59 | — |
| RUEF; 30V | | | | | | | | | | | |
| RUEF090 | 1.31 | 1.17 | 1.04 | 0.90 | 0.87 | 0.75 | 0.69 | 0.61 | 0.55 | 0.47 | — |
| RUEF110 | 1.60 | 1.43 | 1.27 | 1.10 | 1.07 | 0.91 | 0.85 | 0.75 | 0.67 | 0.57 | — |
| RUEF135 | 1.96 | 1.76 | 1.55 | 1.35 | 1.31 | 1.12 | 1.04 | 0.92 | 0.82 | 0.70 | — |
| RUEF160 | 2.32 | 2.08 | 1.84 | 1.60 | 1.55 | 1.33 | 1.23 | 1.09 | 0.98 | 0.83 | — |
| RUEF185 | 2.68 | 2.41 | 2.13 | 1.85 | 1.79 | 1.54 | 1.42 | 1.26 | 1.13 | 0.96 | — |
| RUEF250 | 3.63 | 3.25 | 2.88 | 2.50 | 2.43 | 2.08 | 1.93 | 1.70 | 1.53 | 1.30 | — |
| RUEF300 | 4.35 | 3.90 | 3.45 | 3.00 | 2.91 | 2.49 | 2.31 | 2.04 | 1.83 | 1.56 | — |
| RUEF400 | 5.80 | 5.20 | 4.60 | 4.00 | 3.88 | 3.32 | 3.08 | 2.72 | 2.44 | 2.08 | — |
| RUEF500 | 7.25 | 6.50 | 5.75 | 5.00 | 4.85 | 4.15 | 3.85 | 3.40 | 3.05 | 2.60 | — |
| RUEF600 | 8.70 | 7.80 | 6.90 | 6.00 | 5.82 | 4.98 | 4.62 | 4.08 | 3.66 | 3.12 | — |
| RUEF700 | 10.15 | 9.10 | 8.05 | 7.00 | 6.79 | 5.81 | 5.39 | 4.76 | 4.27 | 3.64 | — |
| RUEF800 | 11.60 | 10.40 | 9.20 | 8.00 | 7.76 | 6.64 | 6.16 | 5.44 | 4.88 | 4.16 | — |
| RUEF900 | 13.05 | 11.70 | 10.35 | 9.00 | 8.73 | 7.47 | 6.93 | 6.12 | 5.49 | 4.68 | — |
| RHEF; 30V - High Temperature | | | | | | | | | | | |
| RHEF050 | 0.68 | 0.62 | 0.56 | 0.51 | 0.50 | 0.44 | 0.40 | 0.36 | 0.34 | 0.28 | 0.12 |
| RHEF070 | 0.95 | 0.87 | 0.79 | 0.72 | 0.70 | 0.62 | 0.56 | 0.51 | 0.47 | 0.39 | 0.17 |
| RHEF100 | 1.36 | 1.24 | 1.13 | 1.03 | 1.00 | 0.89 | 0.80 | 0.73 | 0.67 | 0.56 | 0.24 |
| RUSBF; 16V | | | | | | | | | | | |
| RUSBF090 | 1.31 | 1.17 | 1.04 | 0.90 | 0.87 | 0.75 | 0.69 | 0.61 | 0.55 | 0.47 | — |
| RUSBF110 | 1.60 | 1.43 | 1.27 | 1.10 | 1.07 | 1.00 | 0.92 | 0.75 | 0.67 | 0.57 | — |
| RUSBF135 | 1.96 | 1.76 | 1.55 | 1.35 | 1.31 | 1.12 | 1.04 | 0.92 | 0.82 | 0.70 | — |
| RUSBF160 | 2.32 | 2.08 | 1.84 | 1.60 | 1.55 | 1.33 | 1.23 | 1.09 | 0.98 | 0.83 | — |
| RUSBF185 | 2.68 | 2.41 | 2.13 | 1.85 | 1.79 | 1.54 | 1.42 | 1.26 | 1.13 | 0.96 | — |
| RUSBF250 | 3.63 | 3.25 | 2.88 | 2.50 | 2.43 | 2.08 | 1.93 | 1.70 | 1.53 | 1.30 | — |
| RGEF; 16V | | | | | | | | | | | |
| RGEF250 | 3.7 | 3.3 | 3.0 | 2.6 | 2.50 | 2.2 | 2.0 | 1.8 | 1.6 | 1.2 | — |
| RGEF300 | 4.4 | 4.0 | 3.6 | 3.1 | 3.00 | 2.6 | 2.4 | 2.1 | 1.9 | 1.4 | — |
| RGEF400 | 5.9 | 5.3 | 4.8 | 4.1 | 4.00 | 3.5 | 3.2 | 2.8 | 2.5 | 1.9 | — |
| RGEF500 | 7.3 | 6.6 | 6.0 | 5.2 | 5.00 | 4.4 | 4.0 | 3.6 | 3.1 | 2.4 | — |
| RGEF600 | 8.8 | 8.0 | 7.2 | 6.2 | 6.00 | 5.2 | 4.8 | 4.2 | 3.8 | 2.8 | — |
| RGEF700 | 10.3 | 9.3 | 8.4 | 7.3 | 7.00 | 6.2 | 5.6 | 5.0 | 4.4 | 3.3 | — |
| RGEF800 | 11.7 | 10.7 | 9.6 | 8.3 | 8.00 | 6.9 | 6.4 | 5.6 | 5.1 | 3.7 | — |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R2 – Thermal Derating [Hold Current (A) at Ambient Temperature (°C)] (Cont'd)

| Part Number | Maximum Ambient Temperature | | | | | | | | | | |
|-------------------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| | -40°C | -20°C | 0°C | 20°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C | 125°C |
| RGEF; 16V | | | | | | | | | | | |
| RGEF900 | 13.2 | 11.9 | 10.7 | 9.4 | 9.00 | 7.9 | 7.2 | 6.4 | 5.6 | 4.2 | — |
| RGEF1000 | 14.7 | 13.3 | 12.0 | 10.3 | 10.00 | 8.7 | 8.0 | 7.0 | 6.3 | 4.7 | — |
| RGEF1100 | 16.1 | 14.6 | 13.1 | 11.5 | 11.00 | 9.7 | 8.8 | 7.8 | 6.9 | 5.2 | — |
| RGEF1200 | 17.6 | 16.0 | 14.4 | 12.4 | 12.00 | 10.4 | 9.6 | 8.4 | 7.6 | 5.6 | — |
| RGEF1400 | 20.5 | 18.7 | 16.8 | 14.5 | 14.00 | 12.1 | 11.2 | 9.8 | 8.9 | 6.5 | — |
| RHEF; 16V - High Temperature | | | | | | | | | | | |
| RHEF200 | 2.71 | 2.49 | 2.26 | 2.06 | 2.00 | 1.77 | 1.60 | 1.46 | 1.34 | 1.11 | 0.49 |
| RHEF300 | 4.07 | 3.74 | 3.41 | 3.09 | 3.00 | 2.65 | 2.40 | 2.21 | 2.00 | 1.66 | 0.74 |
| RHEF400 | 5.57 | 5.11 | 4.65 | 4.22 | 4.00 | 3.62 | 3.29 | 3.01 | 2.73 | 2.27 | 1.01 |
| RHEF450 | 6.10 | 5.60 | 5.10 | 4.60 | 4.50 | 4.00 | 3.60 | 3.30 | 3.00 | 2.50 | 1.10 |
| RHEF550 | 7.47 | 6.86 | 6.24 | 5.66 | 5.50 | 4.85 | 4.41 | 4.04 | 3.66 | 3.05 | 1.36 |
| RHEF600 | 8.20 | 7.50 | 6.80 | 6.20 | 6.00 | 5.30 | 4.90 | 4.40 | 4.00 | 3.30 | 1.50 |
| RHEF650 | 8.80 | 8.10 | 7.40 | 6.70 | 6.50 | 5.70 | 5.30 | 4.80 | 4.30 | 3.60 | 1.60 |
| RHEF700 | 9.51 | 8.73 | 7.95 | 7.20 | 7.00 | 6.17 | 5.61 | 5.15 | 4.66 | 3.88 | 1.73 |
| RHEF750 | 10.20 | 9.40 | 8.60 | 7.70 | 7.50 | 6.60 | 6.10 | 5.60 | 5.00 | 4.10 | 1.90 |
| RHEF800 | 10.87 | 9.98 | 9.08 | 8.23 | 8.00 | 7.06 | 6.41 | 5.88 | 5.33 | 4.43 | 1.97 |
| RHEF900 | 12.21 | 11.19 | 10.16 | 9.26 | 9.00 | 7.97 | 7.20 | 6.56 | 6.04 | 5.01 | 2.19 |
| RHEF1000 | 13.60 | 12.50 | 11.40 | 10.30 | 10.00 | 8.80 | 8.10 | 7.40 | 6.60 | 5.50 | 2.50 |
| RHEF1100 | 14.94 | 13.72 | 12.49 | 11.31 | 11.00 | 9.70 | 8.82 | 8.09 | 7.32 | 6.09 | 2.71 |
| RHEF1300 | 17.70 | 16.30 | 14.80 | 13.40 | 13.00 | 11.40 | 10.50 | 9.60 | 8.60 | 7.20 | 3.30 |
| RHEF1400 | 19.01 | 17.46 | 15.89 | 14.40 | 14.00 | 12.35 | 11.22 | 10.29 | 9.32 | 7.76 | 3.45 |
| RHEF1500 | 20.40 | 18.80 | 17.10 | 15.50 | 15.00 | 13.20 | 12.10 | 11.10 | 9.90 | 8.30 | 3.80 |
| RUSBF; 6V | | | | | | | | | | | |
| RUSBF075 | 1.05 | 0.95 | 0.85 | 0.75 | 0.73 | 0.65 | 0.60 | 0.55 | 0.50 | 0.43 | — |
| RUSBF120 | 1.69 | 1.52 | 1.36 | 1.20 | 1.16 | 1.04 | 0.96 | 0.88 | 0.80 | 0.68 | — |
| RUSBF155 | 2.17 | 1.96 | 1.75 | 1.55 | 1.50 | 1.34 | 1.24 | 1.14 | 1.03 | 0.88 | — |

Figures R1-R5 – Thermal Derating Curve

RXEF



PolySwitch Resettable Devices

Radial-Leaded Devices

Figures R1-R5 – Thermal Derating Curve

(Cont'd)

RKEF



A = RUSBF075,
RUSBF120,
RUSBF155

B = RUEF,
and all other RUSBF



RHEF



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Radial-Leaded Devices

Figures R1-R5 – Thermal Derating Curve

(Cont'd)

RGEF



Table R3 – Electrical Characteristics

| Part Number | I _H (A) | I _T (A) | V _{MAX} | | I _{MAX} | | P _D Typ (W) | Max Time-to-trip | | R _{MIN} (Ω) | R _{MAX} (Ω) | R _{TMAX} (Ω) | Lead Size [mm ² (AWG)] |
|-------------|-----------------------|-----------------------|--------------------|------------------------|----------------------|-----------------------|---------------------------|------------------|------|-------------------------|-------------------------|--------------------------|--------------------------------------|
| | | | (V _{DC}) | (V _{AC RMS}) | (DC _{ADC}) | (AC _{ARMS}) | | (A) | (s) | | | | |
| RXEF | | | | | | | | | | | | | |
| 60V | | | | | | | | | | | | | |
| RXEF005 | 0.05 | 0.10 | 60 | — | 40 | — | 0.22 | 0.25 | 5.0 | 7.3 | 11.10 | 20.00 | [0.128mm ² (26)] |
| RXEF010 | 0.10 | 0.20 | 60 | — | 40 | — | 0.38 | 0.50 | 4.0 | 2.5 | 4.50 | 7.50 | [0.205mm ² (24)] |
| RXEF017 | 0.17 | 0.34 | 60 | — | 40 | — | 0.48 | 0.85 | 3.0 | 3.3 | 5.21 | 8.00 | [0.205mm ² (24)] |
| RXEF | | | | | | | | | | | | | |
| 72V | | | | | | | | | | | | | |
| RXEF020 | 0.20 | 0.40 | 72 | 72 | 40 | 40 | 0.41 | 1.00 | 2.2 | 1.83 | 2.75 | 4.40 | [0.205mm ² (24)] |
| RXEF025 | 0.25 | 0.50 | 72 | 72 | 40 | 40 | 0.45 | 1.25 | 2.5 | 1.25 | 1.95 | 3.00 | [0.205mm ² (24)] |
| RXEF030 | 0.30 | 0.60 | 72 | 72 | 40 | 40 | 0.49 | 1.50 | 3.0 | 0.88 | 1.33 | 2.10 | [0.205mm ² (24)] |
| RXEF040 | 0.40 | 0.80 | 72 | 72 | 40 | 40 | 0.56 | 2.00 | 3.8 | 0.55 | 0.86 | 1.29 | [0.205mm ² (24)] |
| RXEF050 | 0.50 | 1.00 | 72 | 72 | 40 | 40 | 0.77 | 2.50 | 4.0 | 0.50 | 0.77 | 1.17 | [0.205mm ² (24)] |
| RXEF065 | 0.65 | 1.30 | 72 | 72 | 40 | 40 | 0.88 | 3.25 | 5.3 | 0.31 | 0.48 | 0.72 | [0.205mm ² (24)] |
| RXEF075 | 0.75 | 1.50 | 72 | 72 | 40 | 40 | 0.92 | 3.75 | 6.3 | 0.25 | 0.40 | 0.60 | [0.205mm ² (24)] |
| RXEF090 | 0.90 | 1.80 | 72 | 72 | 40 | 40 | 0.99 | 4.50 | 7.2 | 0.20 | 0.31 | 0.47 | [0.205mm ² (24)] |
| RXEF110 | 1.10 | 2.20 | 72 | 72 | 40 | 40 | 1.50 | 5.50 | 8.2 | 0.15 | 0.25 | 0.38 | [0.520mm ² (20)] |
| RXEF135 | 1.35 | 2.70 | 72 | 72 | 40 | 40 | 1.70 | 6.75 | 9.6 | 0.12 | 0.19 | 0.30 | [0.520mm ² (20)] |
| RXEF160 | 1.60 | 3.20 | 72 | 72 | 40 | 40 | 1.90 | 8.00 | 11.4 | 0.09 | 0.14 | 0.22 | [0.520mm ² (20)] |
| RXEF185 | 1.85 | 3.70 | 72 | 72 | 40 | 40 | 2.10 | 9.25 | 12.6 | 0.08 | 0.12 | 0.19 | [0.520mm ² (20)] |
| RXEF250 | 2.50 | 5.00 | 72 | 72 | 40 | 40 | 2.50 | 12.50 | 15.6 | 0.05 | 0.08 | 0.13 | [0.520mm ² (20)] |
| RXEF300 | 3.00 | 6.00 | 72 | 72 | 40 | 40 | 2.80 | 15.00 | 19.8 | 0.04 | 0.06 | 0.10 | [0.520mm ² (20)] |
| RXEF375 | 3.75 | 7.50 | 72 | 72 | 40 | 40 | 3.20 | 18.75 | 24.0 | 0.03 | 0.05 | 0.08 | [0.520mm ² (20)] |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R3 – Electrical Characteristics

(Cont'd)

| Part Number | I _H (A) | I _T (A) | V _{MAX} | | I _{MAX} | | P _D TYP (W) | Max Time-to-trip | | R _{MIN} (Ω) | R _{MAX} (Ω) | R _{TMAX} (Ω) | Lead Size [mm ² (AWG)] |
|--------------------------------------|-----------------------|-----------------------|--------------------|------------------------|----------------------|-----------------------|---------------------------|------------------|------|-------------------------|-------------------------|--------------------------|--------------------------------------|
| | | | (V _{DC}) | (V _{AC RMS}) | (DC _{ADC}) | (AC _{ARMS}) | | (A) | (s) | | | | |
| RKEF; 60V | | | | | | | | | | | | | |
| RKEF050 | 0.50 | 1.00 | 60 | — | 40 | — | 1.00 | 8.00 | 0.8 | 0.320 | 0.529 | 0.900 | [0.205mm ² (24)] |
| RKEF065 | 0.65 | 1.30 | 60 | — | 40 | — | 1.25 | 8.00 | 1.0 | 0.250 | 0.450 | 0.720 | [0.205mm ² (24)] |
| RKEF075 | 0.75 | 1.50 | 60 | — | 40 | — | 1.40 | 8.00 | 1.5 | 0.200 | 0.390 | 0.640 | [0.205mm ² (24)] |
| RKEF090 | 0.90 | 1.80 | 60 | — | 40 | — | 1.50 | 8.00 | 2.0 | 0.190 | 0.320 | 0.520 | [0.205mm ² (24)] |
| RKEF110 | 1.10 | 2.20 | 60 | — | 40 | — | 2.20 | 8.00 | 3.0 | 0.170 | 0.280 | 0.470 | [0.520mm ² (20)] |
| RKEF135 | 1.35 | 2.70 | 60 | — | 40 | — | 2.30 | 8.00 | 4.5 | 0.110 | 0.220 | 0.370 | [0.520mm ² (20)] |
| RKEF160 | 1.60 | 3.20 | 60 | — | 40 | — | 2.40 | 8.20 | 9.0 | 0.100 | 0.200 | 0.320 | [0.520mm ² (20)] |
| RKEF185 | 1.85 | 3.70 | 60 | — | 40 | — | 2.60 | 9.25 | 12.6 | 0.060 | 0.152 | 0.250 | [0.520mm ² (20)] |
| RKEF250 | 2.50 | 5.00 | 60 | — | 40 | — | 2.80 | 12.50 | 15.6 | 0.040 | 0.085 | 0.140 | [0.520mm ² (20)] |
| RKEF300 | 3.00 | 6.00 | 60 | — | 40 | — | 3.20 | 15.00 | 19.8 | 0.030 | 0.050 | 0.080 | [0.520mm ² (20)] |
| RKEF375 | 3.75 | 7.50 | 60 | — | 40 | — | 3.40 | 18.75 | 22.0 | 0.017 | 0.040 | 0.060 | [0.520mm ² (20)] |
| RKEF400 | 4.00 | 8.00 | 60 | — | 40 | — | 3.70 | 20.00 | 24.0 | 0.014 | 0.038 | 0.060 | [0.520mm ² (20)] |
| RKEF500 | 5.00 | 10.00 | 60 | — | 40 | — | 5.00 | 25.00 | 28.0 | 0.012 | 0.030 | 0.050 | [0.520mm ² (20)] |
| RUEF; 30V | | | | | | | | | | | | | |
| RUEF090 | 0.90 | 1.80 | 30 | 30 | 100 | 70 | 0.60 | 4.50 | 5.9 | 0.070 | 0.120 | 0.22 | [0.205mm ² (24)] |
| RUEF110 | 1.10 | 2.20 | 30 | 30 | 100 | 70 | 0.70 | 5.50 | 6.6 | 0.070 | 0.100 | 0.17 | [0.205mm ² (24)] |
| RUEF135 | 1.35 | 2.70 | 30 | 30 | 100 | 70 | 0.80 | 6.75 | 7.3 | 0.040 | 0.080 | 0.13 | [0.205mm ² (24)] |
| RUEF160 | 1.60 | 3.20 | 30 | 30 | 100 | 70 | 0.90 | 8.00 | 8.0 | 0.030 | 0.070 | 0.11 | [0.205mm ² (24)] |
| RUEF185 | 1.85 | 3.70 | 30 | 30 | 100 | 70 | 1.00 | 9.25 | 8.7 | 0.030 | 0.060 | 0.09 | [0.205mm ² (24)] |
| RUEF250 | 2.50 | 5.00 | 30 | 30 | 100 | 70 | 1.20 | 12.50 | 10.3 | 0.020 | 0.040 | 0.07 | [0.205mm ² (24)] |
| RUEF300 | 3.00 | 6.00 | 30 | 30 | 100 | 70 | 2.00 | 15.00 | 10.8 | 0.020 | 0.050 | 0.08 | [0.520mm ² (20)] |
| RUEF400 | 4.00 | 8.00 | 30 | 30 | 100 | 70 | 2.50 | 20.00 | 12.7 | 0.010 | 0.030 | 0.05 | [0.520mm ² (20)] |
| RUEF500 | 5.00 | 10.00 | 30 | 30 | 100 | 70 | 3.00 | 25.00 | 14.5 | 0.010 | 0.030 | 0.05 | [0.520mm ² (20)] |
| RUEF600 | 6.00 | 12.00 | 30 | 30 | 100 | 70 | 3.50 | 30.00 | 16.0 | 0.005 | 0.020 | 0.04 | [0.520mm ² (20)] |
| RUEF700 | 7.00 | 14.00 | 30 | 30 | 100 | 70 | 3.80 | 35.00 | 17.5 | 0.005 | 0.020 | 0.03 | [0.520mm ² (20)] |
| RUEF800 | 8.00 | 16.00 | 30 | 30 | 100 | 70 | 4.00 | 40.00 | 18.8 | 0.005 | 0.013 | 0.02 | [0.520mm ² (20)] |
| RUEF900 | 9.00 | 18.00 | 30 | 30 | 100 | 70 | 4.20 | 45.00 | 20.0 | 0.005 | 0.010 | 0.02 | [0.520mm ² (20)] |
| RHEF*, 30V - High Temperature | | | | | | | | | | | | | |
| RHEF050 | 0.5 | 0.9 | 30 | — | 40 | — | 0.9 | 2.5 | 2.5 | 0.480 | 0.780 | 1.10 | [0.205mm ² (24)] |
| RHEF070 | 0.7 | 1.4 | 30 | — | 40 | — | 1.4 | 3.5 | 3.2 | 0.300 | 0.540 | 0.80 | [0.205mm ² (24)] |
| RHEF100 | 1.0 | 1.8 | 30 | — | 40 | — | 1.4 | 5.0 | 5.2 | 0.180 | 0.300 | 0.43 | [0.205mm ² (24)] |
| RUSBF; 16V | | | | | | | | | | | | | |
| RUSBF090 | 0.90 | 1.8 | 16 | — | 40 | — | 0.6 | 8.0 | 1.2 | 0.070 | 0.120 | 0.180 | [0.205mm ² (24)] |
| RUSBF110 | 1.10 | 2.2 | 16 | — | 40 | — | 0.7 | 8.0 | 2.3 | 0.050 | 0.095 | 0.140 | [0.205mm ² (24)] |
| RUSBF135 | 1.35 | 2.7 | 16 | — | 40 | — | 0.8 | 8.0 | 4.5 | 0.040 | 0.074 | 0.112 | [0.205mm ² (24)] |
| RUSBF160 | 1.60 | 3.2 | 16 | — | 40 | — | 0.9 | 8.0 | 9.0 | 0.030 | 0.061 | 0.110 | [0.205mm ² (24)] |
| RUSBF185 | 1.85 | 3.7 | 16 | — | 40 | — | 1.0 | 8.0 | 10.0 | 0.030 | 0.051 | 0.090 | [0.205mm ² (24)] |
| RUSBF250 | 2.50 | 5.0 | 16 | — | 40 | — | 1.2 | 8.0 | 40.0 | 0.020 | 0.036 | 0.060 | [0.205mm ² (24)] |
| RGEF*; 16V | | | | | | | | | | | | | |
| RGEF250 | 2.5 | 4.7 | 16 | — | 100 | — | 1.0 | 12.5 | 5.0 | 0.0220 | 0.0350 | 0.0530 | [0.205mm ² (24)] |
| RGEF300 | 3.0 | 5.1 | 16 | — | 100 | — | 2.3 | 15.0 | 1.0 | 0.0380 | 0.0645 | 0.0975 | [0.520mm ² (20)] |
| RGEF400 | 4.0 | 6.8 | 16 | — | 100 | — | 2.4 | 20.0 | 1.7 | 0.0210 | 0.0390 | 0.0600 | [0.520mm ² (20)] |
| RGEF500 | 5.0 | 8.5 | 16 | — | 100 | — | 2.6 | 25.0 | 2.0 | 0.0150 | 0.0240 | 0.0340 | [0.520mm ² (20)] |
| RGEF600 | 6.0 | 10.2 | 16 | — | 100 | — | 2.8 | 30.0 | 3.3 | 0.0100 | 0.0190 | 0.0280 | [0.520mm ² (20)] |
| RGEF700 | 7.0 | 11.9 | 16 | — | 100 | — | 3.0 | 35.0 | 3.5 | 0.0077 | 0.0131 | 0.0200 | [0.520mm ² (20)] |
| RGEF800 | 8.0 | 13.6 | 16 | — | 100 | — | 3.0 | 40.0 | 5.0 | 0.0056 | 0.0110 | 0.0175 | [0.520mm ² (20)] |
| RGEF900 | 9.0 | 15.3 | 16 | — | 100 | — | 3.3 | 45.0 | 5.5 | 0.0047 | 0.0091 | 0.0135 | [0.520mm ² (20)] |
| RGEF1000 | 10.0 | 17.0 | 16 | — | 100 | — | 3.6 | 50.0 | 6.0 | 0.0040 | 0.0070 | 0.0102 | [0.520mm ² (20)] |
| RGEF1100 | 11.0 | 18.7 | 16 | — | 100 | — | 3.7 | 55.0 | 7.0 | 0.0037 | 0.0060 | 0.0089 | [0.520mm ² (20)] |
| RGEF1200 | 12.0 | 20.4 | 16 | — | 100 | — | 4.2 | 60.0 | 7.5 | 0.0033 | 0.0057 | 0.0086 | [0.823mm ² (18)] |
| RGEF1400 | 14.0 | 23.8 | 16 | — | 100 | — | 4.6 | 70.0 | 9.0 | 0.0026 | 0.0043 | 0.0064 | [0.823mm ² (18)] |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R3 – Electrical Characteristics

(Cont'd)

| Part Number | I_H (A) | I_T (A) | V_{MAX} | | I_{MAX} | | $P_{D\text{Typ}}$ (W) | Max Time-to-trip | | R_{MIN} (Ω) | R_{MAX} (Ω) | R_{1MAX} (Ω) | Lead Size [mm ² (AWG)] |
|--------------------------------------|--------------|--------------|--------------|------------------------|----------------|-----------------|--------------------------|------------------|------|---------------------------|---------------------------|----------------------------|--------------------------------------|
| | | | (V_{DC}) | ($V_{AC\text{RMS}}$) | (DC_{ADC}) | (AC_{ARMS}) | | (A) | (s) | | | | |
| RHEF*; 16V - High Temperature | | | | | | | | | | | | | |
| RHEF200 | 2.0 | 3.8 | 16 | — | 100 | — | 1.4 | 10.0 | 4.3 | 0.0450 | 0.07400 | 0.1100 | [0.205mm ² (24)] |
| RHEF300 | 3.0 | 6.0 | 16 | — | 100 | — | 3.0 | 15.0 | 5.0 | 0.0330 | 0.05300 | 0.0790 | [0.520mm ² (20)] |
| RHEF400 | 4.0 | 7.5 | 16 | — | 100 | — | 3.3 | 20.0 | 5.0 | 0.0240 | 0.04000 | 0.0600 | [0.520mm ² (20)] |
| RHEF450 | 4.5 | 7.8 | 16 | — | 100 | — | 3.6 | 22.5 | 3.0 | 0.0220 | 0.03600 | 0.0540 | [0.520mm ² (20)] |
| RHEF550 | 5.5 | 10.0 | 16 | — | 100 | — | 3.5 | 27.5 | 6.0 | 0.0150 | 0.02500 | 0.0370 | [0.520mm ² (20)] |
| RHEF600 | 6.0 | 10.8 | 16 | — | 100 | — | 4.1 | 30.0 | 5.0 | 0.0130 | 0.02150 | 0.0320 | [0.520mm ² (20)] |
| RHEF650 | 6.5 | 12.0 | 16 | — | 100 | — | 4.1 | 32.5 | 5.5 | 0.0110 | 0.01750 | 0.0260 | [0.520mm ² (20)] |
| RHEF700 | 7.0 | 13.0 | 16 | — | 100 | — | 4.0 | 35.0 | 7.0 | 0.0100 | 0.01640 | 0.0250 | [0.520mm ² (20)] |
| RHEF750 | 7.5 | 13.1 | 16 | — | 100 | — | 4.5 | 37.5 | 7.0 | 0.0094 | 0.01530 | 0.0220 | [0.520mm ² (20)] |
| RHEF800 | 8.0 | 15.0 | 16 | — | 100 | — | 4.2 | 40.0 | 8.0 | 0.0080 | 0.01350 | 0.0200 | [0.520mm ² (20)] |
| RHEF900 | 9.0 | 16.5 | 16 | — | 100 | — | 5.0 | 45.0 | 10.0 | 0.0074 | 0.01200 | 0.0170 | [0.520mm ² (20)] |
| RHEF1000 | 10.0 | 18.5 | 16 | — | 100 | — | 5.3 | 50.0 | 9.0 | 0.0062 | 0.01050 | 0.0150 | [0.520mm ² (20)] |
| RHEF1100 | 11.0 | 20.0 | 16 | — | 100 | — | 5.5 | 55.0 | 11.0 | 0.0055 | 0.00900 | 0.0130 | [0.520mm ² (20)] |
| RHEF1300 | 13.0 | 24.0 | 16 | — | 100 | — | 6.9 | 65.0 | 13.0 | 0.0041 | 0.00690 | 0.0100 | [0.823mm ² (18)] |
| RHEF1400 | 14.0 | 27.0 | 16 | — | 100 | — | 6.9 | 70.0 | 13.0 | 0.0030 | 0.00600 | 0.0090 | [0.823mm ² (18)] |
| RHEF1500 | 15.0 | 28.0 | 16 | — | 100 | — | 7.0 | 75.0 | 20.0 | 0.0032 | 0.00613 | 0.0092 | [0.823mm ² (18)] |
| RUSBF; 6V | | | | | | | | | | | | | |
| RUSBF075 | 0.75 | 1.30 | 6 | — | 40 | — | 0.3 | 8.0 | 0.4 | 0.110 | 0.1750 | 0.23 | [0.205mm ² (24)] |
| RUSBF120 | 1.20 | 2.00 | 6 | — | 40 | — | 0.6 | 8.0 | 0.5 | 0.070 | 0.0975 | 0.14 | [0.205mm ² (24)] |
| RUSBF155 | 1.55 | 2.65 | 6 | — | 40 | — | 0.6 | 7.8 | 2.2 | 0.040 | 0.0705 | 0.10 | [0.205mm ² (24)] |

Notes:

- I_H : Hold current: maximum current device will pass without interruption in 20°C still air.
- I_T : Trip current: minimum current that will switch the device from low resistance to high resistance in 20°C still air.
- V_{MAX} : Maximum continuous voltage device can withstand without damage at rated current.
- I_{MAX} : Maximum fault current device can withstand without damage at rated voltage.
- P_D : Power dissipated from device when in the tripped state in 20°C still air.
- R_{MIN} : Minimum resistance of device as supplied at 20°C unless otherwise specified.
- R_{MAX} : Maximum resistance of device as supplied at 20°C unless otherwise specified.
- R_{1MAX} : Maximum resistance of device when measured one hour post reflow (surface-mount device) or one hour post trip (radial-leaded device) at 20°C unless otherwise specified.
- * Electrical characteristics determined at 25°C.

Figures R6-R14 – Dimension Figures



PolySwitch Resettable Devices
Radial-Leaded Devices
Table R4 – Dimensions and Weights

(Cont'd)

| Part Number | Dimensions in Millimeters (Inches) | | | | | | | | | | | | | Figure | Device Mass (g) (Only for Reference) |
|------------------|------------------------------------|-----------------|-----|-----------------|----------------|-----------------|----------------|-----|-----|----------------|-----|-----------------|---------------|------------------|---|
| | A | | B | | C | | D | | E | | F | H | J | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Typ | Typ | Typ | | |
| RKEF; 60V | | | | | | | | | | | | | | | |
| RKEF050 | — | 7.10 (0.28) | — | 11.43 (0.45) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.56 (0.14) | — | — | — | R10, R13, R14 | 0.166 |
| RKEF065 | — | 7.11 (0.28) | — | 12.20 (0.48) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.56 (0.14) | — | — | — | R10, R13, R14 | 0.182 |
| RKEF075 | — | 7.87 (0.31) | — | 12.20 (0.48) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.56 (0.14) | — | — | — | R10, R13, R14 | 0.201 |
| RKEF090 | — | 7.87 (0.31) | — | 13.97 (0.55) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.56 (0.14) | — | — | — | R10, R13, R14 | 0.235 |
| RKEF110 | — | 7.60 (0.30) | — | 15.00 (0.59) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 4.10 (0.16) | — | — | — | R10, R13, R14 | 0.353 |
| RKEF135 | — | 10.20 (0.40) | — | 17.00 (0.67) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.81 (0.15) | — | — | — | R11, R13, R14 | 0.438 |
| RKEF160 | — | 12.20 (0.48) | — | 18.30 (0.72) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.81 (0.15) | — | — | — | R11, R13, R14 | 0.546 |
| RKEF185 | — | 13.00 (0.51) | — | 18.80 (0.74) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.81 (0.15) | — | — | — | R11, R13, R14 | 0.538 |
| RKEF250 | — | 14.00 (0.55) | — | 20.60 (0.81) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.00 (0.12) | — | — | — | R11, R13, R14 | 0.775 |
| RKEF300 | — | 16.50 (0.65) | — | 21.20 (0.83) | 4.32 (0.17) | 5.84 (0.23) | 7.60 (0.30) | — | — | 3.00 (0.12) | — | — | — | R11, R13, R14 | 0.971 |
| RKEF375 | — | 16.50 (0.65) | — | 25.20 (0.99) | 9.40 (0.37) | 10.90 (0.43) | 7.60 (0.30) | — | — | 3.00 (0.12) | — | — | — | R11, R13, R14 | 1.142 |
| RKEF400 | — | 21.00 (0.83) | — | 24.90 (0.98) | 9.40 (0.37) | 10.90 (0.43) | 7.60 (0.30) | — | — | 3.00 (0.12) | — | — | — | R11, R13, R14 | 1.391 |
| RKEF500 | — | 24.10 (0.95) | — | 29.00 (1.14) | 9.40 (0.37) | 10.90 (0.43) | 7.60 (0.30) | — | — | 3.00 (0.12) | — | — | — | R11, R13, R14 | 1.783 |
| RUEF; 30V | | | | | | | | | | | | | | | |
| RUEF090 | — | 7.4 (0.29) | — | 12.2 (0.48) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 0.8 (0.03) | R10, R13, R14 | 0.183 |
| RUEF110 | — | 7.4 (0.29) | — | 14.2 (0.56) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 0.8 (0.03) | R10, R13, R14 | 0.204 |
| RUEF135 | — | 8.9 (0.35) | — | 13.5 (0.53) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.255 |
| RUEF160 | — | 8.9 (0.35) | — | 15.2 (0.60) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.289 |
| RUEF185 | — | 10.2 (0.40) | — | 15.7 (0.62) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.379 |
| RUEF250 | — | 11.4 (0.45) | — | 18.3 (0.72) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.2 (0.05) | R10, R13, R14 | 0.493 |
| RUEF300 | — | 11.4 (0.45) | — | 16.5 (0.65) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.5 (0.06) | R11, R13, R14 | 0.516 |
| RUEF400 | — | 14.0 (0.55) | — | 19.3 (0.76) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.7 (0.07) | R11, R13, R14 | 0.670 |
| RUEF500 | — | 14.0 (0.55) | — | 24.1 (0.95) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.0 (0.04) | R11, R13, R14 | 0.926 |
| RUEF600 | — | 16.5 (0.65) | — | 24.1 (0.95) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.0 (0.04) | R11, R13, R14 | 1.352 |
| RUEF700 | — | 19.1 (0.75) | — | 25.9 (1.02) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.2 (0.05) | R11, R13, R14 | 1.543 |
| RUEF800 | — | 21.6 (0.85) | — | 28.4 (1.12) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.5 (0.06) | R11, R13, R14 | 1.852 |
| RUEF900 | — | 24.1 (0.95) | — | 29.0 (1.14) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.19 (0.047) | 1.5 (0.06) | R11, R13, R14 | 2.104 |

PolySwitch Resettable Devices

Radial-Leaded Devices

Figures R6-R14 – Dimension Figures

(Cont'd)



Table R4 – Dimensions and Weights

| Part Number | Dimensions in Millimeters (Inches) | | | | | | | | | | | | | | Figure | Device Mass (g) (Only for Reference) |
|------------------|------------------------------------|----------------|-----|----------------|---------------|----------------|---------------|-----|-----|---------------|-----|-----------------|---------------|-----------------|--------|---|
| | A | | B | | C | | D | | E | | F | H | J | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Typ | Typ | Typ | | | |
| RXEF; 60V | | | | | | | | | | | | | | | | |
| RXEF005 | — | 8.0 (0.32) | — | 8.3 (0.33) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.07 (0.042) | 1.0 (0.04) | R7, R13, R14 | 0.069 | |
| RXEF010 | — | 7.4 (0.29) | — | 11.6 (0.46) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.07 (0.042) | 1.0 (0.04) | R8, R13, R14 | 0.128 | |
| RXEF017 | — | 7.4 (0.29) | — | 12.7 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.68 (0.066) | 1.7 (0.07) | R8, R13, R14 | 0.174 | |
| RXEF; 72V | | | | | | | | | | | | | | | | |
| RXEF020 | — | 7.4 (0.29) | — | 11.7 (0.46) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.0 (0.04) | R8, R13, R14 | 0.119 | |
| RXEF025 | — | 7.4 (0.29) | — | 12.7 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.0 (0.04) | R8, R13, R14 | 0.130 | |
| RXEF030 | — | 7.4 (0.29) | — | 12.7 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.0 (0.04) | R8, R13, R14 | 0.143 | |
| RXEF040 | — | 7.6 (0.30) | — | 13.5 (0.53) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.2 (0.05) | R8, R13, R14 | 0.202 | |
| RXEF050 | — | 7.9 (0.31) | — | 13.7 (0.54) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.2 (0.05) | R8, R13, R14 | 0.210 | |
| RXEF065 | — | 9.4 (0.37) | — | 14.5 (0.57) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.5 (0.06) | R8, R13, R14 | 0.277 | |
| RXEF075 | — | 10.2 (0.40) | — | 15.2 (0.60) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.5 (0.06) | R8, R13, R14 | 0.310 | |
| RXEF090 | — | 11.2 (0.44) | — | 15.8 (0.62) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.17 (0.046) | 1.5 (0.06) | R8, R13, R14 | 0.365 | |
| RXEF110 | — | 12.8 (0.50) | — | 17.5 (0.69) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.2 (0.05) | R9, R13, R14 | 0.546 | |
| RXEF135 | — | 14.5 (0.57) | — | 19.1 (0.75) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.2 (0.05) | R9, R13, R14 | 0.653 | |
| RXEF160 | — | 16.3 (0.64) | — | 20.8 (0.82) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.5 (0.06) | R9, R13, R14 | 0.684 | |
| RXEF185 | — | 17.5 (0.69) | — | 22.4 (0.88) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.5 (0.06) | R9, R13, R14 | 0.808 | |
| RXEF250 | — | 20.8 (0.82) | — | 25.4 (1.00) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.7 (0.07) | R9, R13, R14 | 1.139 | |
| RXEF300 | — | 23.9 (0.94) | — | 28.6 (1.13) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.7 (0.07) | R9, R13, R14 | 1.379 | |
| RXEF375 | — | 27.2 (1.07) | — | 31.8 (1.25) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 1.37 (0.054) | 1.7 (0.07) | R9, R13, R14 | 1.708 | |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R4 — Dimensions and Weights

(Cont'd)

| Part Number | Dimensions in Millimeters (Inches) | | | | | | | | | | | | | | Figure | Device Mass (g) (Only for Reference) |
|-------------------------------------|------------------------------------|-----------------|-----|----------------|---------------|----------------|---------------|-----|-----|---------------|---------------|-----------------|----------------|------------------|--------|---|
| | A | | B | | C | | D | | E | | F | H | J | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Typ | Typ | Typ | | | |
| RHEF; 16V - High Temperature | | | | | | | | | | | | | | | | |
| RHEF450 | — | 10.4 (0.41) | — | 15.6 (0.61) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.6 (0.06) | R12, R13, R14 | 0.605 | |
| RHEF550 | — | 11.2 (0.44) | — | 18.9 (0.74) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 0.704 | |
| RHEF600 | — | 11.2 (0.44) | — | 21.0 (0.83) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.7 (0.067) | R12, R13, R14 | 0.792 | |
| RHEF650 | — | 12.7 (0.50) | — | 22.2 (0.88) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.8 (0.07) | R12, R13, R14 | 0.952 | |
| RHEF700 | — | 14.0 (0.55) | — | 21.9 (0.86) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 0.850 | |
| RHEF750 | — | 14.0 (0.55) | — | 23.5 (0.93) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 2.0 (0.08) | R12, R13, R14 | 1.054 | |
| RHEF800 | — | 16.5 (0.65) | — | 22.5 (0.88) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 1.073 | |
| RHEF900 | — | 16.5 (0.65) | — | 25.7 (1.01) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 1.516 | |
| RHEF1000 | — | 17.5 (0.69) | — | 26.5 (1.04) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.5 (0.06) | R12, R13, R14 | 1.791 | |
| RHEF1100 | — | 21.0 (0.83) | — | 26.1 (1.03) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 1.570 | |
| RHEF1300 | — | 23.5 (0.925) | — | 28.7 (1.13) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.6 (0.14) | 1.4 (0.06) | 1.45 (0.057) | 1.9 (0.084) | R12, R13, R14 | 2.257 | |
| RHEF1400 | — | 23.5 (0.925) | — | 28.6 (1.13) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.6 (0.14) | 1.4 (0.06) | — | — | R12, R13, R14 | 2.051 | |
| RHEF1500 | — | 23.5 (0.925) | — | 28.7 (1.13) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | — | 3.6 (0.14) | 1.4 (0.06) | 1.45 (0.057) | 1.9 (0.084) | R12, R13, R14 | 2.257 | |
| RUSBF; 6V | | | | | | | | | | | | | | | | |
| RUSBF075 | — | 6.9 (0.27) | — | 11.4 (0.45) | 4.3 (0.17) | 5.9 (0.23) | 7.6 (0.30) | — | — | 3.1 (0.12) | — | 0.91 (0.036) | 1.0 (0.04) | R8, R13, R14 | 0.123 | |
| RUSBF120 | — | 6.9 (0.27) | — | 11.7 (0.46) | 4.3 (0.17) | 5.9 (0.23) | 7.6 (0.30) | — | — | 3.1 (0.12) | — | 0.91 (0.036) | 1.0 (0.04) | R8, R13, R14 | 0.111 | |
| RUSBF155 | — | 6.9 (0.27) | — | 11.7 (0.46) | 4.3 (0.17) | 5.9 (0.23) | 7.6 (0.30) | — | — | 3.1 (0.12) | — | 0.91 (0.036) | 1.0 (0.04) | R8, R13, R14 | 0.135 | |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R4 — Dimensions and Weights

(Cont'd)

| Part Number | Dimensions in Millimeters (Inches) | | | | | | | | | | | | | | Figure | Device Mass (g) (Only for Reference) |
|-------------------------------------|------------------------------------|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|-----------------|---------------|------------------|--------|---|
| | A | | B | | C | | D | | E | | F | H | J | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Typ | Typ | Typ | | | |
| RHEF; 30V - High Temperature | | | | | | | | | | | | | | | | |
| RHEF050 | — | 7.4 (0.29) | — | 12.7 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R8, R13, R14 | 0.177 | |
| RHEF070 | — | 6.9 (0.27) | — | 10.8 (0.43) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.2 (0.05) | R10, R13, R14 | 0.259 | |
| RHEF100 | — | 9.7 (0.38) | — | 13.6 (0.54) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | — | — | R8, R13, R14 | 0.312 | |
| RUSBF; 16V | | | | | | | | | | | | | | | | |
| RUSBF090 | — | 7.4 (0.29) | — | 12.2 (0.48) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.1 (0.12) | — | 0.89 (0.035) | 0.8 (0.03) | R10, R13, R14 | 0.183 | |
| RUSBF110 | — | 7.4 (0.29) | — | 14.2 (0.56) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 0.8 (0.03) | R10, R13, R14 | 0.204 | |
| RUSBF135 | — | 8.9 (0.35) | — | 13.5 (0.53) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.240 | |
| RUSBF160 | — | 8.9 (0.35) | — | 15.2 (0.60) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.300 | |
| RUSBF185 | — | 10.2 (0.40) | — | 15.7 (0.62) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.0 (0.04) | R10, R13, R14 | 0.368 | |
| RUSBF250 | — | 11.4 (0.45) | — | 18.3 (0.72) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | — | 0.89 (0.035) | 1.2 (0.05) | R10, R13, R14 | 0.467 | |
| RGEF; 16V | | | | | | | | | | | | | | | | |
| RGEF250 | — | 8.9 (0.35) | — | 12.8 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 3.18 (0.13) | 6.18 (0.24) | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.2 (0.05) | R10, R13, R14 | 0.277 | |
| RGEF300 | 6.1 (0.24) | 7.1 (0.28) | 6.1 (0.24) | 11.0 (0.43) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.2 (0.05) | R11, R13, R14 | 0.323 | |
| RGEF400 | 7.9 (0.31) | 8.9 (0.35) | 7.9 (0.31) | 12.8 (0.50) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.4 (0.06) | R11, R13, R14 | 0.417 | |
| RGEF500 | 9.4 (0.37) | 10.4 (0.41) | 9.4 (0.37) | 14.3 (0.56) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.6 (0.06) | R11, R13, R14 | 0.540 | |
| RGEF600 | 9.7 (0.38) | 10.7 (0.42) | 12.2 (0.48) | 17.1 (0.67) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.6 (0.06) | R11, R13, R14 | 0.604 | |
| RGEF700 | 10.2 (0.40) | 11.2 (0.44) | 14.7 (0.58) | 19.7 (0.78) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.7 (0.07) | R11, R13, R14 | 0.701 | |
| RGEF800 | 11.7 (0.46) | 12.7 (0.50) | 16.0 (0.63) | 20.9 (0.82) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.8 (0.07) | R11, R13, R14 | 0.829 | |
| RGEF900 | 13.0 (0.51) | 14.0 (0.55) | 16.8 (0.66) | 21.7 (0.85) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 2.0 (0.08) | R11, R13, R14 | 0.887 | |
| RGEF1000 | — | 16.5 (0.65) | 21.1 (0.83) | 25.2 (0.99) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 2.0 (0.08) | R11, R13, R14 | 1.219 | |
| RGEF1100 | 16.5 (0.65) | 17.5 (0.69) | 21.1 (0.83) | 26.0 (1.02) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | 2.0 (0.08) | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 2.4 (0.09) | R11, R13, R14 | 1.408 | |
| RGEF1200 | 16.4 (0.65) | 17.5 (0.69) | 22.6 (0.89) | 28.0 (1.10) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | 2.3 (0.09) | 3.5 (0.14) | 1.4 (0.06) | 1.45 (0.057) | 1.5 (0.06) | R11, R13, R14 | 1.650 | |
| RGEF1400 | — | 23.5 (0.925) | 22.6 (0.89) | 27.9 (1.10) | 9.4 (0.37) | 10.9 (0.43) | 7.6 (0.30) | — | 2.3 (0.09) | 3.5 (0.14) | 1.4 (0.06) | 1.45 (0.057) | 1.9 (0.08) | R11, R13, R14 | 2.146 | |
| RHEF; 16V - High Temperature | | | | | | | | | | | | | | | | |
| RHEF200 | — | 9.4 (0.37) | — | 14.4 (0.57) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.1 (0.12) | — | — | — | R8, R13, R14 | 0.278 | |
| RHEF300 | — | 8.8 (0.35) | — | 13.8 (0.55) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | — | — | R12, R13, R14 | 0.433 | |
| RHEF400 | — | 10.0 (0.39) | — | 15.0 (0.59) | 4.3 (0.17) | 5.8 (0.23) | 7.6 (0.30) | — | — | 3.0 (0.12) | 1.2 (0.05) | 1.24 (0.049) | 1.6 (0.06) | R12, R13, R14 | 0.509 | |

PolySwitch Resettable Devices

Radial-Leaded Devices

Figures R15-R20 – Typical Time-to-Trip Curves at 20°C

RXEF

| | |
|-------------|-------------|
| A = RXEF005 | J = RXEF075 |
| B = RXEF010 | K = RXEF090 |
| C = RXEF017 | L = RXEF110 |
| D = RXEF020 | M = RXEF135 |
| E = RXEF025 | N = RXEF160 |
| F = RXEF030 | O = RXEF185 |
| G = RXEF040 | P = RXEF250 |
| H = RXEF050 | Q = RXEF300 |
| I = RXEF065 | R = RXEF375 |

Figure R15



RKEF

| | |
|-------------|-------------|
| A = RKEF050 | J = RKEF300 |
| B = RKEF065 | K = RKEF375 |
| C = RKEF075 | L = RKEF400 |
| D = RKEF090 | M = RKEF500 |
| E = RKEF110 | |
| F = RKEF135 | |
| G = RKEF160 | |
| H = RKEF185 | |
| I = RKEF250 | |

Figure R16



RUEF

| | |
|-------------|-------------|
| A = RUEF090 | H = RUEF400 |
| B = RUEF110 | I = RUEF500 |
| C = RUEF135 | J = RUEF600 |
| D = RUEF160 | K = RUEF700 |
| E = RUEF185 | L = RUEF800 |
| F = RUEF250 | M = RUEF900 |
| G = RUEF300 | |

Figure R17



PolySwitch Resettable Devices

Radial-Leaded Devices

Figures R15-R20 – Typical Time-to-Trip Curves at 20°C

(Cont'd)

RGEF (data at 25°C)

| | |
|-------------|--------------|
| A = RGEF250 | G = RGEF800 |
| B = RGEF300 | H = RGEF900 |
| C = RGEF400 | I = RGEF1000 |
| D = RGEF500 | J = RGEF1100 |
| E = RGEF600 | K = RGEF1200 |
| F = RGEF700 | L = RGEF1400 |

Figure R18



RHEF (data at 25°C)

| | |
|-------------|--------------|
| A = RHEF050 | K = RHEF700 |
| B = RHEF070 | L = RHEF750 |
| C = RHEF100 | M = RHEF800 |
| D = RHEF200 | N = RHEF900 |
| E = RHEF300 | O = RHEF1000 |
| F = RHEF400 | P = RHEF1100 |
| G = RHEF450 | Q = RHEF1300 |
| H = RHEF550 | R = RHEF1400 |
| I = RHEF600 | S = RHEF1500 |
| J = RHEF650 | |

Figure R19



RUSBF

| |
|--------------|
| A = RUSBF075 |
| B = RUSBF090 |
| C = RUSBF110 |
| D = RUSBF120 |
| E = RUSBF135 |
| F = RUSBF155 |
| G = RUSBF160 |
| H = RUSBF185 |
| I = RUSBF250 |

Figure R20



PolySwitch Resettable Devices

Radial-Leaded Devices

Table R5 — Physical Characteristics and Environmental Specifications

| RXEF | | |
|---------------------------|---|---|
| Physical Characteristics | | |
| Lead Material | RXEF005 | : Tin-plated Nickel-copper Alloy, 0.128mm ² (26AWG), ø0.40mm (0.016in) |
| | RXEF010 | : Tin-plated Nickel-copper Alloy, 0.205mm ² (24AWG), ø0.51mm (0.020in) |
| | RXEF017 to 040 | : Tin-plated Copper-clad Steel, 0.205mm ² (24AWG), ø0.51mm (0.020in) |
| | RXEF050 to 090 | : Tin-plated Copper, 0.205mm ² (24AWG), ø0.51mm (0.020in) |
| | RXEF110 to 375 | : Tin-plated Copper, 0.52mm ² (20AWG), ø0.81mm (0.032in) |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 | |
| | RXEF005, RXEF010 Meet ANSI/J-STD-002 Category 1 | |
| Solder Heat Withstand | RXEF005- RXEF025: per IEC-STD 68-2-20, Test Tb, Method 1a, Condition a; | |
| | Can Withstand 5s at 260°C ±5°C | |
| | All Other Sizes : per IEC-STD 68-2-20, Test Tb, Method 1a, Condition b; | |
| | Can Withstand 10s at 260°C ±5°C | |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 | |
| Operation Temperature | -40°C~85°C | |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | -40°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±10% |
| Thermal Shock | 85°C, -40°C (10 Times) | ±10% |
| Solvent Resistance | MIL-STD-202, Method 215F | No Change |

| RKEF | | |
|---------------------------|---|--|
| Physical Characteristics | | |
| Lead Material | RKEF050 to 090 | : Tin-plated Copper, 0.205mm ² (24AWG), ø0.51mm (0.020in) |
| | RKEF110 to 500 | : Tin-plated Copper, 0.52mm ² (20AWG), ø0.81mm (0.032in) |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 | |
| Solder Heat Withstand | RKEF050-RKEF185: per IEC-STD 68-2-20, Test Tb, Method 1a, Condition a; | |
| | Can Withstand 5s at 260°C ±5°C | |
| | All Other Sizes : per IEC-STD 68-2-20, Test Tb, Method 1a, Condition b; | |
| | RKEF Can Withstand 10s at 260°C ±5°C | |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 | |
| Operation Temperature | -40°C~85°C | |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | -40°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±10% |
| Thermal Shock | 85°C, -40°C (10 Times) | ±10% |
| Solvent Resistance | MIL-STD-202, Method 215F | No Change |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R5 — Physical Characteristics and Environmental Specifications

(Cont'd)

| RUEF | |
|---------------------------|---|
| Physical Characteristics | |
| Lead Material | RUEF090 to RUEF250: Tin-plated Copper-clad Steel, 0.205mm ² (24AWG) RUEF300 to RUEF900: Tin-plated Copper, 0.52mm ² (20AWG), ø0.81mm (0.032in) |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 |
| Solder Heat Withstand | per IEC-STD 68-2-20, Test Tb, Method1A, Condition B, Can Withstand 10s at 260°C ±5°C |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 |
| Operation Temperature | -40°C~85°C |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | 70°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±5% |
| Thermal Shock | 85°C, -40°C (10 times) | ±5% |
| Solvent Resistance | MIL-STD-202, Method 215F | No Change |

| RUSBF | |
|---------------------------|--|
| Physical Characteristics | |
| Lead Material | RUSBF075 : Tin-plated Nickel-copper Alloy, 0.205mm ² (24AWG), ø0.51mm/0.020in RUSBF090 to RUSBF250: Tin-plated Copper-clad Steel, 0.205mm ² (24AWG), ø0.51mm/0.020in |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 Except RUSBF075 Meet ANSI/J-STD-002 Category 1 |
| Solder Heat Withstand | RUSBF120: per IEC-STD 68-2-20, Test Tb, Method 1A, Condition A; Can Withstand 5s at 260°C ±5°C All Others : per IEC-STD 68-2-20, Test Tb, Method 1A, Condition B; Can Withstand 10s at 260°C ±5°C |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 |
| Operation Temperature | -40°C~85°C |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | 70°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±5% |
| Thermal Shock | 85°C, -40°C (10 Times) | ±5% |
| Solvent Resistance | MIL-STD-202, Method 215F | No change |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R5 — Physical Characteristics and Environmental Specifications

(Cont'd)

| RGEF | |
|---------------------------|---|
| Physical Characteristics | |
| Lead Material | RGEF250 : Tin-plated Copper-clad Steel, 0.205mm ² (24AWG), ø0.51mm/0.020in RGEF300 to RGEF1100 : Tin-plated Copper, 0.52mm ² (20AWG), ø0.81mm/0.032in RGEF1200 to RGEF1400: Tin-plated Copper, 0.82mm ² (18AWG), ø1.0mm/0.04in |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 |
| Solder Heat Withstand | RGEF250 and RGEF400 : per IEC 68-2-20, Test Tb, Method 1a, Condition a; can withstand 5s at 260°C ±5°C RGEF500 to RGEF1400 : per IEC 68-2-20, Test Tb, Method 1a, Condition b; can withstand 10s at 260°C ±5°C |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 |
| Operation Temperature | -40°C~85°C |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | -40°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±5% |
| Thermal Shock | 85°C, -40°C (10 Times) | ±5% |
| Solvent Resistance | MIL-STD-202, Method 215F | No Change |

| RHEF | |
|---------------------------|--|
| Physical Characteristics | |
| Lead Material | RHEF050 to RHEF200 : Tin-plated Copper-clad Steel, 0.205mm ² (24AWG), ø0.51mm/0.020in RHEF300 to RHEF1100 : Tin-plated Copper, 0.52mm ² (20AWG), ø0.81mm/0.032in RHEF1300 to RHEF1500: Tin-plated Copper, 0.82mm ² (18AWG), ø1.0mm/0.04in |
| Soldering Characteristics | Solderability per ANSI/J-STD-002 Category 3 |
| Solder Heat Withstand | per IEC 68-2-20, Test Tb, Method 1A, Condition B; Can Withstand 10s at 260°C ±5°C |
| Insulating Material | Cured, Flame-retardant Epoxy Polymer; Meets UL 94V-0 |
| Operation Temperature | -40°C~125°C |

Note: Devices are not designed to be placed through a reflow process.

| Environmental Specifications | | |
|------------------------------|--------------------------|-------------------|
| Test | Conditions | Resistance Change |
| Passive Aging | 70°C, 1000 hrs | ±5% |
| | 85°C, 1000 hrs | ±5% |
| Humidity Aging | 85°C, 85%RH, 1000 hrs | ±5% |
| Thermal Shock | 125°C, -40°C (10 Times) | ±5% |
| Solvent Resistance | MIL-STD-202, Method 215F | No Change |

Storage Conditions

Storage Conditions 40°C max, 70% RH max; devices should remain in original sealed bags prior to use.

Devices may not meet specified values if these storage conditions are exceeded.

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R6 – Packaging and Marking Information

| Part Number | Bag Quantity | Tape and Reel Quantity | Ammo Pack Quantity | Standard Package Quantity | Part Marking | Agency Recognition |
|-----------------|--------------|------------------------|--------------------|---------------------------|--------------|--------------------|
| RXEF 60V | | | | | | |
| RXEF005 | 500 | — | — | 10,000 | — | UL, CSA, TÜV, CQC |
| RXEF005-2 | — | 3,000 | — | 15,000 | — | UL, CSA, TÜV, CQC |
| RXEF005-AP | — | — | 2,000 | 10,000 | — | UL, CSA, TÜV, CQC |
| RXEF010 | 500 | — | — | 10,000 | X10 | UL, CSA, TÜV, CQC |
| RXEF010-2 | — | 3,000 | — | 15,000 | X10 | UL, CSA, TÜV, CQC |
| RXEF010-AP | — | — | 2,000 | 10,000 | X10 | UL, CSA, TÜV, CQC |
| RXEF017 | 500 | — | — | 10,000 | X17 | UL, CSA, TÜV, CQC |
| RXEF017-2 | — | 2,500 | — | 12,500 | X17 | UL, CSA, TÜV, CQC |
| RXEF017-AP | — | — | 2,000 | 10,000 | X17 | UL, CSA, TÜV, CQC |
| RXEF 72V | | | | | | |
| RXEF020 | 500 | — | — | 10,000 | X20 | UL, CSA, TÜV, CQC |
| RXEF020-2 | — | 3,000 | — | 15,000 | X20 | UL, CSA, TÜV, CQC |
| RXEF020-AP | — | — | 2,000 | 10,000 | X20 | UL, CSA, TÜV, CQC |
| RXEF025 | 500 | — | — | 10,000 | X25 | UL, CSA, TÜV, CQC |
| RXEF025-2 | — | 3,000 | — | 15,000 | X25 | UL, CSA, TÜV, CQC |
| RXEF025-AP | — | — | 2,000 | 10,000 | X25 | UL, CSA, TÜV, CQC |
| RXEF030 | 500 | — | — | 10,000 | X30 | UL, CSA, TÜV, CQC |
| RXEF030-2 | — | 3,000 | — | 15,000 | X30 | UL, CSA, TÜV, CQC |
| RXEF030-AP | — | — | 2,000 | 10,000 | X30 | UL, CSA, TÜV, CQC |
| RXEF040 | 500 | — | — | 10,000 | X40 | UL, CSA, TÜV, CQC |
| RXEF040-2 | — | 3,000 | — | 15,000 | X40 | UL, CSA, TÜV, CQC |
| RXEF040-AP | — | — | 2,000 | 10,000 | X40 | UL, CSA, TÜV, CQC |
| RXEF050 | 500 | — | — | 10,000 | X50 | UL, CSA, TÜV, CQC |
| RXEF050-2 | — | 3,000 | — | 15,000 | X50 | UL, CSA, TÜV, CQC |
| RXEF050-AP | — | — | 2,000 | 10,000 | X50 | UL, CSA, TÜV, CQC |
| RXEF065 | 500 | — | — | 10,000 | X65 | UL, CSA, TÜV, CQC |
| RXEF065-2 | — | 3,000 | — | 15,000 | X65 | UL, CSA, TÜV, CQC |
| RXEF065-AP | — | — | 2,000 | 10,000 | X65 | UL, CSA, TÜV, CQC |
| RXEF075 | 500 | — | — | 10,000 | X75 | UL, CSA, TÜV, CQC |
| RXEF075-2 | — | 3,000 | — | 15,000 | X75 | UL, CSA, TÜV, CQC |
| RXEF075-AP | — | — | 2,000 | 10,000 | X75 | UL, CSA, TÜV, CQC |
| RXEF090 | 500 | — | — | 10,000 | X90 | UL, CSA, TÜV, CQC |
| RXEF090-2 | — | 3,000 | — | 15,000 | X90 | UL, CSA, TÜV, CQC |
| RXEF090-AP | — | — | 2,000 | 10,000 | X90 | UL, CSA, TÜV, CQC |
| RXEF110 | 500 | — | — | 10,000 | X110 | UL, CSA, TÜV, CQC |
| RXEF110-2 | — | 1,500 | — | 7,500 | X110 | UL, CSA, TÜV, CQC |
| RXEF110-AP | — | — | 1,000 | 5,000 | X110 | UL, CSA, TÜV, CQC |
| RXEF135 | 500 | — | — | 10,000 | X135 | UL, CSA, TÜV, CQC |
| RXEF135-2 | — | 1,500 | — | 7,500 | X135 | UL, CSA, TÜV, CQC |
| RXEF135-AP | — | — | 1,000 | 5,000 | X135 | UL, CSA, TÜV, CQC |
| RXEF160 | 500 | — | — | 10,000 | X160 | UL, CSA, TÜV, CQC |
| RXEF160-2 | — | 1,500 | — | 7,500 | X160 | UL, CSA, TÜV, CQC |
| RXEF160-AP | — | — | 1,000 | 5,000 | X160 | UL, CSA, TÜV, CQC |
| RXEF185 | 500 | — | — | 10,000 | X185 | UL, CSA, TÜV, CQC |
| RXEF185-2 | — | 1,500 | — | 7,500 | X185 | UL, CSA, TÜV, CQC |
| RXEF185-AP | — | — | 1,000 | 5,000 | X185 | UL, CSA, TÜV, CQC |
| RXEF250 | 250 | — | — | 5,000 | X250 | UL, CSA, TÜV, CQC |
| RXEF250-2 | — | 1,000 | — | 5,000 | X250 | UL, CSA, TÜV, CQC |
| RXEF250-AP | — | — | 1,000 | 5,000 | X250 | UL, CSA, TÜV, CQC |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R6 – Packaging and Marking Information

(Cont'd)

| Part Number | Bag Quantity | Tape and Reel Quantity | Ammo Pack Quantity | Standard Package Quantity | Part Marking | Agency Recognition |
|-------------|--------------|------------------------|--------------------|---------------------------|--------------|--------------------|
| RXEF | | | | | | |
| 72V | | | | | | |
| RXEF300 | 250 | — | — | 5,000 | X300 | UL, CSA, TÜV, CQC |
| RXEF300-2 | — | 1,000 | — | 5,000 | X300 | UL, CSA, TÜV, CQC |
| RXEF300-AP | — | — | 1,000 | 5,000 | X300 | UL, CSA, TÜV, CQC |
| RXEF375 | 250 | — | — | 5,000 | X375 | UL, CSA, TÜV, CQC |
| RKEF | | | | | | |
| 60V | | | | | | |
| RKEF050 | 500 | — | — | 10,000 | K50 | UL, CSA, TÜV |
| RKEF065 | 500 | — | — | 10,000 | K65 | UL, CSA, TÜV |
| RKEF075 | 500 | — | — | 10,000 | K75 | UL, CSA, TÜV |
| RKEF090 | 500 | — | — | 10,000 | K90 | UL, CSA, TÜV |
| RKEF110 | 500 | — | — | 10,000 | K110 | UL, CSA, TÜV |
| RKEF135 | 500 | — | — | 10,000 | K135 | UL, CSA, TÜV |
| RKEF160 | 500 | — | — | 10,000 | K160 | UL, CSA, TÜV |
| RKEF185 | 500 | — | — | 10,000 | K185 | UL, CSA, TÜV |
| RKEF250 | 500 | — | — | 10,000 | K250 | UL, CSA, TÜV |
| RKEF300 | 250 | — | — | 5,000 | K300 | UL, CSA, TÜV |
| RKEF375 | 250 | — | — | 5,000 | K375 | UL, CSA, TÜV |
| RKEF400 | 250 | — | — | 5,000 | K400 | UL, CSA, TÜV |
| RKEF500 | 250 | — | — | 5,000 | K500 | UL, CSA, TÜV |
| RUEF | | | | | | |
| 30V | | | | | | |
| RUEF090 | 500 | — | — | 10,000 | U90 | UL, CSA, TÜV, CQC |
| RUEF090-2 | — | 3,000 | — | 15,000 | U90 | UL, CSA, TÜV, CQC |
| RUEF090-AP | — | — | 2,000 | 10,000 | U90 | UL, CSA, TÜV, CQC |
| RUEF110 | 500 | — | — | 10,000 | U110 | UL, CSA, TÜV, CQC |
| RUEF110-2 | — | 3,000 | — | 15,000 | U110 | UL, CSA, TÜV, CQC |
| RUEF110-AP | — | — | 2,000 | 10,000 | U110 | UL, CSA, TÜV, CQC |
| RUEF135 | 500 | — | — | 10,000 | U135 | UL, CSA, TÜV, CQC |
| RUEF135-2 | — | 3,000 | — | 15,000 | U135 | UL, CSA, TÜV, CQC |
| RUEF135-AP | — | — | 2,000 | 10,000 | U135 | UL, CSA, TÜV, CQC |
| RUEF160 | 500 | — | — | 10,000 | U160 | UL, CSA, TÜV, CQC |
| RUEF160-2 | — | 3,000 | — | 15,000 | U160 | UL, CSA, TÜV, CQC |
| RUEF160-AP | — | — | 2,000 | 10,000 | U160 | UL, CSA, TÜV, CQC |
| RUEF185 | 500 | — | — | 10,000 | U185 | UL, CSA, TÜV, CQC |
| RUEF185-2 | — | 3,000 | — | 15,000 | U185 | UL, CSA, TÜV, CQC |
| RUEF185-AP | — | — | 2,000 | 10,000 | U185 | UL, CSA, TÜV, CQC |
| RUEF250 | 500 | — | — | 10,000 | U250 | UL, CSA, TÜV, CQC |
| RUEF250-2 | — | 3,000 | — | 15,000 | U250 | UL, CSA, TÜV, CQC |
| RUEF250-AP | — | — | 2,000 | 10,000 | U250 | UL, CSA, TÜV, CQC |
| RUEF300 | 500 | — | — | 10,000 | U300 | UL, CSA, TÜV, CQC |
| RUEF300-2 | — | 2,500 | — | 12,500 | U300 | UL, CSA, TÜV, CQC |
| RUEF300-AP | — | — | 1,000 | 5,000 | U300 | UL, CSA, TÜV, CQC |
| RUEF400 | 500 | — | — | 10,000 | U400 | UL, CSA, TÜV, CQC |
| RUEF400-2 | — | 1,500 | — | 7,500 | U400 | UL, CSA, TÜV, CQC |
| RUEF400-AP | — | — | 1,000 | 5,000 | U400 | UL, CSA, TÜV, CQC |
| RUEF500 | 250 | — | — | 5,000 | U500 | UL, CSA, TÜV, CQC |
| RUEF500-2 | — | 1,500 | — | 7,500 | U500 | UL, CSA, TÜV, CQC |
| RUEF500-AP | — | — | 1,000 | 5,000 | U500 | UL, CSA, TÜV, CQC |
| RUEF600 | 250 | — | — | 5,000 | U600 | UL, CSA, TÜV, CQC |
| RUEF600-2 | — | 1,000 | — | 5,000 | U600 | UL, CSA, TÜV, CQC |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R6 — Packaging and Marking Information

(Cont'd)

| Part Number | Bag Quantity | Tape and Reel Quantity | Ammo Pack Quantity | Standard Package Quantity | Part Marking | Agency Recognition |
|-------------------------------|--------------|------------------------|--------------------|---------------------------|--------------|--------------------|
| RUEF | | | | | | |
| 30V | | | | | | |
| RUEF600-AP | — | — | 1,000 | 5,000 | U600 | UL, CSA, TÜV, CQC |
| RUEF700 | 250 | — | — | 5,000 | U700 | UL, CSA, TÜV, CQC |
| RUEF700-2 | — | 1,000 | — | 5,000 | U700 | UL, CSA, TÜV, CQC |
| RUEF700-AP | — | — | 1,000 | 5,000 | U700 | UL, CSA, TÜV, CQC |
| RUEF800 | 250 | — | — | 5,000 | U800 | UL, CSA, TÜV, CQC |
| RUEF800-2 | — | 1,000 | — | 5,000 | U800 | UL, CSA, TÜV, CQC |
| RUEF800-AP | — | — | 1,000 | 5,000 | U800 | UL, CSA, TÜV, CQC |
| RUEF900 | 250 | — | — | 5,000 | U900 | UL, CSA, TÜV, CQC |
| RUEF900-2 | — | 1,000 | — | 4,000 | U900 | UL, CSA, TÜV, CQC |
| RUEF900-AP | — | — | 1,000 | 4,000 | U900 | UL, CSA, TÜV, CQC |
| RHEF | | | | | | |
| 30V - High Temperature | | | | | | |
| RHEF050 | 500 | — | — | 10,000 | H0.5 | UL, CSA, TÜV |
| RHEF050-2 | — | 2,500 | — | 12,500 | H0.5 | UL, CSA, TÜV |
| RHEF070 | 500 | — | — | 10,000 | H0.7 | UL, CSA, TÜV |
| RHEF070-2 | — | 2,500 | — | 12,500 | H0.7 | UL, CSA, TÜV |
| RHEF100 | 500 | — | — | 10,000 | H1 | UL, CSA, TÜV |
| RHEF100-2 | — | 2,500 | — | 12,500 | H1 | UL, CSA, TÜV |
| RUSBF | | | | | | |
| 16V | | | | | | |
| RUSBF090 | 500 | — | — | 10,000 | R90 | UL, CSA, TÜV |
| RUSBF090-2 | — | 3,000 | — | 15,000 | R90 | UL, CSA, TÜV |
| RUSBF090-AP | — | — | 2,000 | 10,000 | R90 | UL, CSA, TÜV |
| RUSBF110 | 500 | — | — | 10,000 | R110 | UL, CSA, TÜV |
| RUSBF110-2 | — | 3,000 | — | 15,000 | R110 | UL, CSA, TÜV |
| RUSBF110-AP | — | — | 2,000 | 10,000 | R110 | UL, CSA, TÜV |
| RUSBF135 | 500 | — | — | 10,000 | R135 | UL, CSA, TÜV |
| RUSBF135-2 | — | 3,000 | — | 15,000 | R135 | UL, CSA, TÜV |
| RUSBF135-AP | — | — | 2,000 | 10,000 | R135 | UL, CSA, TÜV |
| RUSBF160 | 500 | — | — | 10,000 | R160 | UL, CSA, TÜV |
| RUSBF160-2 | — | 3,000 | — | 15,000 | R160 | UL, CSA, TÜV |
| RUSBF160-AP | — | — | 2,000 | 10,000 | R160 | UL, CSA, TÜV |
| RUSBF185 | 500 | — | — | 10,000 | R185 | UL, CSA, TÜV |
| RUSBF185-2 | — | 3,000 | — | 15,000 | R185 | UL, CSA, TÜV |
| RUSBF185-AP | — | — | 2,000 | 10,000 | R185 | UL, CSA, TÜV |
| RUSBF250 | 500 | — | — | 10,000 | R250 | UL, CSA, TÜV |
| RUSBF250-2 | — | 3,000 | — | 15,000 | R250 | UL, CSA, TÜV |
| RUSBF250-AP | — | — | 2,000 | 10,000 | R250 | UL, CSA, TÜV |
| RGEF | | | | | | |
| 16V | | | | | | |
| RGEF250 | 500 | — | — | 10,000 | G2.5 | UL, CSA, TÜV |
| RGEF250-2 | — | 3,000 | — | 15,000 | G2.5 | UL, CSA, TÜV |
| RGEF250-AP | — | — | 2,000 | 10,000 | G2.5 | UL, CSA, TÜV |
| RGEF300 | 500 | — | — | 10,000 | G3 | UL, CSA, TÜV |
| RGEF300-2 | — | 2,500 | — | 12,500 | G3 | UL, CSA, TÜV |
| RGEF300-AP | — | — | 2,000 | 10,000 | G3 | UL, CSA, TÜV |
| RGEF400 | 500 | — | — | 10,000 | G4 | UL, CSA, TÜV |
| RGEF400-2 | — | 2,500 | — | 12,500 | G4 | UL, CSA, TÜV |
| RGEF400-AP | — | — | 2,000 | 10,000 | G4 | UL, CSA, TÜV |
| RGEF500 | 500 | — | — | 10,000 | G5 | UL, CSA, TÜV |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R6 – Packaging and Marking Information

(Cont'd)

| Part Number | Bag Quantity | Tape and Reel Quantity | Ammo Pack Quantity | Standard Package Quantity | Part Marking | Agency Recognition |
|-------------------------------|--------------|------------------------|--------------------|---------------------------|--------------|--------------------|
| RGEF | | | | | | |
| 16V | | | | | | |
| RGEF500-2 | — | 2,000 | — | 10,000 | G5 | UL, CSA, TÜV |
| RGEF500-AP | — | — | 2,000 | 10,000 | G5 | UL, CSA, TÜV |
| RGEF600 | 500 | — | — | 10,000 | G6 | UL, CSA, TÜV |
| RGEF600-2 | — | 2,000 | — | 10,000 | G6 | UL, CSA, TÜV |
| RGEF600-AP | — | — | 2,000 | 10,000 | G6 | UL, CSA, TÜV |
| RGEF700 | 500 | — | — | 10,000 | G7 | UL, CSA, TÜV |
| RGEF700-2 | — | 1,500 | — | 7,500 | G7 | UL, CSA, TÜV |
| RGEF700-AP | — | — | 1,500 | 7,500 | G7 | UL, CSA, TÜV |
| RGEF800 | 500 | — | — | 10,000 | G8 | UL, CSA, TÜV |
| RGEF800-2 | — | 1,500 | — | 7,500 | G8 | UL, CSA, TÜV |
| RGEF800-AP | — | — | 1,500 | 7,500 | G8 | UL, CSA, TÜV |
| RGEF900 | 500 | — | — | 10,000 | G9 | UL, CSA, TÜV |
| RGEF900-2 | — | 1,000 | — | 5,000 | G9 | UL, CSA, TÜV |
| RGEF900-AP | — | — | 1,000 | 5,000 | G9 | UL, CSA, TÜV |
| RGEF1000 | 250 | — | — | 5,000 | G10 | UL, CSA, TÜV |
| RGEF1000-2 | — | 1,000 | — | 5,000 | G10 | UL, CSA, TÜV |
| RGEF1000-AP | — | — | 1,000 | 5,000 | G10 | UL, CSA, TÜV |
| RGEF1100 | 250 | — | — | 5,000 | G11 | UL, CSA, TÜV |
| RGEF1100-2 | — | 1,000 | — | 5,000 | G11 | UL, CSA, TÜV |
| RGEF1100-AP | — | — | 1,000 | 5,000 | G11 | UL, CSA, TÜV |
| RGEF1200 | 250 | — | — | 5,000 | G12 | UL, CSA, TÜV |
| RGEF1200-2 | — | 1,000 | — | 5,000 | G12 | UL, CSA, TÜV |
| RGEF1200-AP | — | — | 1,000 | 5,000 | G12 | UL, CSA, TÜV |
| RGEF1400 | 250 | — | — | 5,000 | G14 | UL, CSA, TÜV |
| RGEF1400-2 | — | 1,000 | — | 5,000 | G14 | UL, CSA, TÜV |
| RGEF1400-AP | — | — | 1,000 | 5,000 | G14 | UL, CSA, TÜV |
| RHEF | | | | | | |
| 16V - High Temperature | | | | | | |
| RHEF200 | 500 | — | — | 10,000 | H2 | UL, CSA, TÜV |
| RHEF200-2 | — | 2,500 | — | 12,500 | H2 | UL, CSA, TÜV |
| RHEF200-AP | — | — | 2,500 | 12,500 | H2 | UL, CSA, TÜV |
| RHEF300 | 500 | — | — | 10,000 | H3 | UL, CSA, TÜV |
| RHEF300-2 | — | 2,000 | — | 10,000 | H3 | UL, CSA, TÜV |
| RHEF300-AP | — | — | 2,000 | 10,000 | H3 | UL, CSA, TÜV |
| RHEF400 | 500 | — | — | 10,000 | H4 | UL, CSA, TÜV |
| RHEF400-2 | — | 1,500 | — | 7,500 | H4 | UL, CSA, TÜV |
| RHEF400-AP | — | — | 1,500 | 7,500 | H4 | UL, CSA, TÜV |
| RHEF450 | 500 | — | — | 10,000 | H4.5 | UL, CSA, TÜV |
| RHEF450-2 | — | 1,500 | — | 7,500 | H4.5 | UL, CSA, TÜV |
| RHEF450-AP | — | — | 1,500 | 7,500 | H4.5 | UL, CSA, TÜV |
| RHEF550 | 500 | — | — | 10,000 | H5.5 | UL, CSA, TÜV |
| RHEF550-2 | — | 2,000 | — | 10,000 | H5.5 | UL, CSA, TÜV |
| RHEF550-AP | — | — | 2,000 | 10,000 | H5.5 | UL, CSA, TÜV |
| RHEF600 | 500 | — | — | 10,000 | H6 | UL, CSA, TÜV |
| RHEF600-2 | — | 2,000 | — | 10,000 | H6 | UL, CSA, TÜV |
| RHEF600-AP | — | — | 2,000 | 10,000 | H6 | UL, CSA, TÜV |
| RHEF650 | 500 | — | — | 10,000 | H6.5 | UL, CSA, TÜV |
| RHEF650-2 | — | 1,500 | — | 7,500 | H6.5 | UL, CSA, TÜV |
| RHEF650-AP | — | — | 1,500 | 7,500 | H6.5 | UL, CSA, TÜV |
| RHEF700 | 500 | — | — | 10,000 | H7 | UL, CSA, TÜV |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R6 — Packaging and Marking Information

(Cont'd)

| Part Number | Bag Quantity | Tape and Reel Quantity | Ammo Pack Quantity | Standard Package Quantity | Part Marking | Agency Recognition |
|-------------------------------|--------------|------------------------|--------------------|---------------------------|--------------|--------------------|
| RHEF | | | | | | |
| 16V - High Temperature | | | | | | |
| RHEF700-2 | — | 1,500 | — | 7,500 | H7 | UL, CSA, TÜV |
| RHEF700-AP | — | — | 1,500 | 7,500 | H7 | UL, CSA, TÜV |
| RHEF750 | 500 | — | — | 10,000 | H7.5 | UL, CSA, TÜV |
| RHEF750-2 | — | 1,000 | — | 5,000 | H7.5 | UL, CSA, TÜV |
| RHEF750-AP | — | — | 1,000 | 5,000 | H7.5 | UL, CSA, TÜV |
| RHEF800 | 500 | — | — | 10,000 | H8 | UL, CSA, TÜV |
| RHEF800-2 | — | 1,000 | — | 5,000 | H8 | UL, CSA, TÜV |
| RHEF800-AP | — | — | 1,000 | 5,000 | H8 | UL, CSA, TÜV |
| RHEF900 | 250 | — | — | 5,000 | H9 | UL, CSA, TÜV |
| RHEF900-2 | — | 1,000 | — | 5,000 | H9 | UL, CSA, TÜV |
| RHEF900-AP | — | — | 1,000 | 5,000 | H9 | UL, CSA, TÜV |
| RHEF1000 | 250 | — | — | 5,000 | H10 | UL, CSA, TÜV |
| RHEF1000-2 | — | 1,000 | — | 5,000 | H10 | UL, CSA, TÜV |
| RHEF1000-AP | — | — | 1,000 | 5,000 | H10 | UL, CSA, TÜV |
| RHEF1100 | 250 | — | — | 5,000 | H11 | UL, CSA, TÜV |
| RHEF1100-2 | — | 1,000 | — | 5,000 | H11 | UL, CSA, TÜV |
| RHEF1100-AP | — | — | 1,000 | 5,000 | H11 | UL, CSA, TÜV |
| RHEF1300 | 250 | — | — | 5,000 | H13 | UL, CSA, TÜV |
| RHEF1300-2 | — | 1,000 | — | 5,000 | H13 | UL, CSA, TÜV |
| RHEF1300-AP | — | — | 1,000 | 5,000 | H13 | UL, CSA, TÜV |
| RHEF1400 | 250 | — | — | 5,000 | H14 | UL, CSA, TÜV |
| RHEF1400-2 | — | 1,000 | — | 5,000 | H14 | UL, CSA, TÜV |
| RHEF1400-AP | — | — | 1,000 | 5,000 | H14 | UL, CSA, TÜV |
| RHEF1500 | 250 | — | — | 5,000 | H15 | UL, CSA, TÜV |
| RHEF1500-2 | — | 1,000 | — | 5,000 | H15 | UL, CSA, TÜV |
| RHEF1500-AP | — | — | 1,000 | 5,000 | H15 | UL, CSA, TÜV |
| RUSBF | | | | | | |
| 6V | | | | | | |
| RUSBF075 | 500 | — | — | 10,000 | R75 | UL, CSA, TÜV |
| RUSBF075-2 | — | 3,000 | — | 15,000 | R75 | UL, CSA, TÜV |
| RUSBF075-AP | — | — | 2,000 | 10,000 | R75 | UL, CSA, TÜV |
| RUSBF120 | 500 | — | — | 10,000 | R120 | UL, CSA, TÜV |
| RUSBF120-2 | — | 3,000 | — | 15,000 | R120 | UL, CSA, TÜV |
| RUSBF120-AP | — | — | 2,000 | 10,000 | R120 | UL, CSA, TÜV |
| RUSBF155 | 500 | — | — | 10,000 | R155 | UL, CSA, TÜV |
| RUSBF155-2 | — | 3,000 | — | 15,000 | R155 | UL, CSA, TÜV |
| RUSBF155-AP | — | — | 2,000 | 10,000 | R155 | UL, CSA, TÜV |

Agency Recognitions

| | |
|-----|--|
| UL | File # E74889 |
| CSA | File # CA78165 |
| TÜV | Certificate number available on request (per IEC 60730-1). |

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R7 — Tape and Reel Specifications

RXEF and RKEF devices are available in tape and reel packaging per EIA468-B/IEC60286-2 standards.

| Description | EIA Mark | Dimension (mm) | Tolerance |
|---|----------------|----------------|------------|
| Carrier Tape Width | W | 18 | -0.5/+1.0 |
| Hold-Down Tape Width | W ₄ | 11 | Minimum |
| Top Distance between Tape Edges | W ₆ | 3 | Maximum |
| Sprocket Hole Position | W ₅ | 9 | -0.5/+0.75 |
| Sprocket Hole Diameter | D ₀ | 4 | ± 0.2 |
| Abscissa to Plane (Straight Lead) (RXEF110 To RXEF300, RKEF135 To RKEF500) | H | 18.5 | ± 2.5 |
| Abscissa to Plane (Kinked Lead) (RXEF010 To RXEF090, RKEF050 To RKEF110) | H ₀ | 16.0 | ± 0.5 |
| Abscissa to Top (RXEF010 To RXEF090, RKEF050 To RKEF185) | H ₁ | 32.2 | Maximum |
| Abscissa to Top* (RXEF110 To RXEF300, RKEF250 To RKEF500) | H ₁ | 47.5 | Maximum |
| Overall Width with Lead Protrusion (RXEF010 To RXEF090, RKEF050 To RKEF185) | C ₁ | 43.2 | Maximum |
| Overall Width with Lead Protrusion* (RXEF110 To RXEF300, RKEF250 To RKEF500) | C ₁ | 58 | Maximum |
| Overall Width without Lead Protrusion (RXEF010 To RXEF090, RKEF050 To RKEF185) | C ₂ | 42.5 | Maximum |
| Overall Width without Lead Protrusion* (RXEF110 To RXEF300, RKEF250 To RKEF500) | C ₂ | 57 | Maximum |
| Lead Protrusion | L ₁ | 1.0 | Maximum |
| Protrusion of Cut-Out | L | 11.0 | Maximum |
| Protrusion beyond Hold-down Tape | I ₂ | Not Specified | — |
| Sprocket Hole Pitch | P ₀ | 12.7 | ± 0.3 |
| Device Pitch (RXEF010 To RXEF090, RKEF050 To RKEF185) | — | 12.7 | ± 0.3 |
| Device Pitch (RXEF110 To RXEF300, RKEF250 To RKEF500) | — | 25.4 | ± 0.61 |
| Pitch Tolerance | — | 20 Consecutive | ± 1 |
| Tape Thickness | T | 0.9 | Maximum |
| Overall Tape and Lead Thickness (RXEF010 To RXEF090, RKEF050 To RKEF185) | T ₁ | 1.5 | Maximum |
| Overall Tape and Lead Thickness (RXEF110 To RXEF300, RKEF250 To RKEF500) | T ₁ | 2.3 | Maximum |
| Splice Sprocket Hole Alignment | — | 0 | ± 0.3 |
| Body Lateral Deviation | Dh | 0 | ± 1.0 |
| Body Tape Plane Deviation | Dp | 0 | ± 1.3 |
| Ordinate to Adjacent Component Lead (RXEF010 To RXEF185, RKEF050 To RKEF300) | P ₁ | 3.81 | ± 0.7 |
| Ordinate to Adjacent Component Lead (RXEF250 To RXEF300, RKEF375 To RKEF500) | P ₁ | 7.62 | ± 0.7 |
| Lead Spacing* (RXEF010 To RXEF185, RKEF050 To RKEF300) | F | 5.05 | ± 0.75 |
| Lead Spacing* (RXEF250 To RXEF300, RKEF375 To RKEF500) | F | 10.15 | ± 0.75 |
| Reel Width (RXEF010 To RXEF090, RKEF050 To RKEF185) | W ₂ | 56.0 | Maximum |
| Reel Width* (RXEF110 To RXEF300, RKEF250 To RKEF500) | W ₂ | 63.5 | Maximum |
| Reel Diameter | A | 370.0 | Maximum |
| Space between Flanges* (RXEF010 To RXEF090, RKEF050 To RKEF185) | W ₁ | 48.00 | Maximum |
| Space between Flanges* (RXEF110 To RXEF300, RKEF250 To RKEF500) | W ₁ | 55.00 | Maximum |
| Arbor Hold Diameter | C | 26.0 | ± 12.0 |
| Core Diameter* | N | 91.0 | Maximum |
| Box | — | 64/372/362 | Maximum |
| Consecutive Missing Places | — | None | — |
| Empty Places per Reel | — | 0.1% | Maximum |

*Differs from EIA specification.

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R7 — Tape and Reel Specifications

(Cont'd)

RUEF and RUSBF devices are available in tape and reel packaging per EIA468-B/IEC60286-2 standards.

| Description | EIA Mark | Dimension (mm) | Tolerance |
|--|----------------|----------------|------------|
| Carrier Tape Width | W | 18 | -0.5/+1.0 |
| Hold-down Tape Width | W ₄ | 11 | Minimum |
| Top Distance between Tape Edges | W ₆ | 3 | Maximum |
| Sprocket Hole Position | W ₅ | 9 | -0.5/+0.75 |
| Sprocket Hole Diameter | D ₀ | 4 | ± 0.2 |
| Abscissa to Plane (Straight Lead)* (RUEF300 to RUEF900) | H | 18.5 | ± 2.5 |
| Abscissa to Plane (Kinked Lead) (RUSBF075 to RUSBF250, RUEF090 to RUEF250) | H ₀ | 16.0 | ± 0.5 |
| Abscissa to Top (RUSBF075 to RUSBF250, RUEF090 to RUEF300) | H ₁ | 38.5 | Maximum |
| Abscissa to Top* (RUEF400 to RUEF900) | H ₁ | 45.0 | Maximum |
| Overall Width with Lead Protrusion (RUSBF075 to RUSBF250, RUEF090 to RUEF300) | C ₁ | 43.2 | Maximum |
| Overall Width with Lead Protrusion (RUEF400 To RUEF900) | C ₁ | 56 | Maximum |
| Overall Width without Lead Protrusion (RUSBF075 to RUSBF250, RUEF090 to RUEF300) | C ₂ | 42.5 | Maximum |
| Overall Width without Lead Protrusion (RUEF400 to RUEF900) | C ₂ | 56 | Maximum |
| Lead Protrusion | L ₁ | 1.0 | Maximum |
| Protrusion of Cut-out | L | 11 | Maximum |
| Protrusion beyond Hold-down Tape | I ₂ | Not Specified | — |
| Sprocket Hole Pitch | P ₀ | 12.7 | ± 0.3 |
| Device Pitch (RUSBF075 to RUSBF250, RUEF090 to RUEF300) | — | 12.7 | ± 0.3 |
| Device Pitch (RUEF400 to RUEF900) | — | 25.4 | ± 0.6 |
| Pitch Tolerance | — | 20 Consecutive | ± 1 |
| Tape Thickness | T | 0.9 | Maximum |
| Overall Tape and Lead Thickness (RUSBF075 to RUSBF250, RUEF090 to RUEF50) | T ₁ | 1.5 | Maximum |
| Overall Tape and Lead Thickness* (RUEF300 to RUEF900) | T ₁ | 2.3 | Maximum |
| Splice Sprocket Hole Alignment | — | 0 | ± 0.3 |
| Body Lateral Deviation | Dh | 0 | ± 1.0 |
| Body Tape Plane Deviation | Dp | 0 | ± 1.3 |
| Ordinate to Adjacent Component Lead (RUSBF075 to RUSBF250, RUEF090 to RUEF300) | P ₁ | 3.81 | ± 0.7 |
| Ordinate to Adjacent Component Lead (RUEF400 to RUEF900) | P ₁ | 7.62 | ± 0.7 |
| Lead Spacing* (RUSBF075 to RUSBF250, RUEF090 to RUEF400) | F | 5.05 | ± 0.75 |
| Lead Spacing* (RUEF500 to RUEF900) | F | 10.15 | ± 0.75 |
| Reel Width (RUEF090 to RUEF400, Rusbf075 to Rusbf250) | W ₂ | 56.0 | Maximum |
| Reel Width (RUEF500* to RUEF900) | W ₂ | 63.5 | Maximum |
| Reel Diameter | A | 370.0 | Maximum |
| Space between Flanges* (RUEF090 to RUEF400, RUSBF075 to RUSBF250) | W ₁ | 48.0 | Maximum |
| Space between Flanges* (RUEF500 to RUEF900) | W ₁ | 55.0 | Maximum |
| Arbor Hold Diameter | C | 26.0 | ± 12.0 |
| Core Diameter* | N | 91.0 | Maximum |
| Box | — | 64/372/362 | Maximum |
| Consecutive Missing Places | — | None | — |
| Empty Places per Reel | — | 0.1% | Maximum |

*Differs from EIA specification.

PolySwitch Resettable Devices

Radial-Leaded Devices

Table R7 — Tape and Reel Specifications

(Cont'd)

RGEF and RHEF devices are available in tape and reel packaging per EIA468–B/IEC60286–2 standards.

| Description | EIA Mark | Dimension (mm) | Tolerance |
|--|----------------|----------------|------------|
| Carrier Tape Width | W | 18 | -0.5/+1.0 |
| Hold-Down Tape Width | W ₄ | 11 | Minimum |
| Top Distance between Tape Edges | W ₆ | 3 | Maximum |
| Sprocket Hole Position | W ₅ | 9 | -0.5/+0.75 |
| Sprocket Hole Diameter | D ₀ | 4 | ± 0.2 |
| Abscissa to Plane (Straight Lead) (RGEF250 to RGEF1400) | H | 18.5 | ± 2.5 |
| Abscissa to Plane (Kinked Lead) (RHEF050 to RGEF1500) | H ₀ | 16.0 | ± 0.5 |
| Abscissa to Top (RGEF250 to RGEF500, RGEF050 to RGEF450) | H ₁ | 38.5 | Maximum |
| Abscissa to Top* (RGEF600 to RGEF1400, RHEF550 to RHEF1500) | H ₁ | 45.0 | Maximum |
| Overall Width with Lead Protrusion (RGEF250 to RGEF600, RHEF050 to RHEF450) | C ₁ | 43.2 | Maximum |
| Overall Width with Lead Protrusion (RGEF700 to RGEF1400, RHEF550 to RHEF1500) | C ₁ | 55 | Maximum |
| Overall Width without Lead Protrusion (RGEF250 to RGEF600, RHEF050 to RHEF450) | C ₂ | 42.5 | Maximum |
| Overall Width without Lead Protrusion (RGEF700 to RGEF1400, RHEF550 to RHEF1500) | C ₂ | 54 | Maximum |
| Lead Protrusion | L ₁ | 1.0 | Maximum |
| Protrusion of Cut-out | L | 11 | Maximum |
| Protrusion beyond Hold-down Tape | I ₂ | Not Specified | — |
| Sprocket Hole Pitch | P ₀ | 12.7 | ± 0.3 |
| Device Pitch (RGEF250 to RGEF700, RHEF050 to RHEF600) | — | 25.4 | ± 0.61 |
| Device Pitch (RGEF800 to RGEF1400, RHEF650 to RHEF1500) | — | 25.4 | ± 0.6 |
| Pitch Tolerance | — | 20 Consecutive | ± 1 |
| Tape Thickness | T | 0.9 | Maximum |
| Overall Tape and Lead Thickness* (RGEF250 to RGEF1100, RHEF050 to RHEF1100) | T ₁ | 2.0 | Maximum |
| Overall Tape and Lead Thickness* (RGEF1200 to RGEF1400, RHEF1300 to RHEF1500) | T ₁ | 2.3 | Maximum |
| Splice Sprocket Hole Alignment | — | 0 | ± 0.3 |
| Body Lateral Deviation | Dh | 0 | ± 1.0 |
| Body Tape Plane Deviation | Dp | 0 | ± 1.3 |
| Ordinate to Adjacent Component Lead (RGEF250 to RGEF1100, RHEF050 to RHEF900) | P ₁ | 3.81 | ± 0.7 |
| Ordinate to Adjacent Component Lead (RGEF1200 to RGEF1400, RHEF1000 to RHEF1500) | P ₁ | 7.62 | ± 0.7 |
| Lead Spacing* (RGEF250 to RGEF1100, RHEF050 to RHEF900) | F | 5.05 | ± 0.75 |
| Lead Spacing* (RGEF1200 to RGEF1400, RHEF1000 to RHEF1500) | F | 10.15 | ± 0.75 |
| Reel Width (RGEF250 to RGEF600, RHEF050 to RHEF450) | W ₂ | 56.0 | Maximum |
| Reel Width* (RGEF700 to RGEF1400 & RHEF550 to RHEF1500) | W ₂ | 63.5 | Maximum |
| Reel Diameter | A | 370.0 | Maximum |
| Space between Flanges* (RGEF250 to RGEF600, RHEF050 to RHEF450) | W ₁ | 48.0 | Maximum |
| Space between Flanges* (RGEF700 to RGEF400, RHEF550 to RHEF1500) | W ₁ | 55.0 | Maximum |
| Arbor Hold Diameter | C | 26.0 | ± 12.0 |
| Core Diameter* | N | 91.0 | Maximum |
| Box | — | 64/372/362 | Maximum |
| Consecutive Missing Places | — | None | — |
| Empty Places per Reel | — | 0.1% | Maximum |

*Differs from EIA specification.

PolySwitch Resettable Devices

Radial-Leaded Devices

Figure R21 — EIA Referenced Taped Component Dimensions



Figure R22 — EIA Referenced Reel Dimensions

