

T1/E1 Mini-Octal™ Isolation Module



SMD 8-Channel Quad Port T1/E1 Transformer



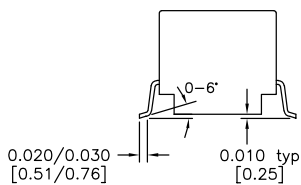
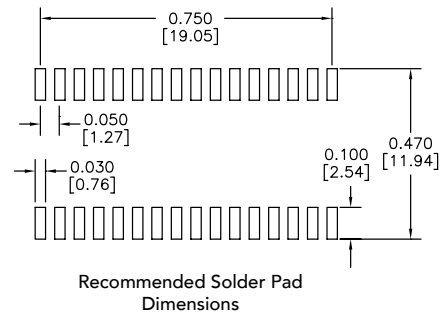
Product Features:

- T1/E1/CEPT/ISDN-PRI 8-Channel Transformers
- UL/EN60950/DEMKO Recognized
- Extended Temp Range -40 to +85°C
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

| Part Number | Turns Ratio ($\pm 2\%$) | OCL (mH Typ) | Cw/w (pF Max) | Primary Pins | RoHS |
|---------------|---------------------------|-----------------|------------------|--|-----------|
| | PRI : SEC | | | | |
| TG01-1505NULF | 1:1 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | Pb-Free |
| TG01-1505NURL | 1:1 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | RoHS (7a) |
| TG05-1505NULF | 1:2 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | Pb-Free |
| TG05-1505NURL | 1:2 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | RoHS (7a) |
| TG05-S001NULF | 1:2 | 1.5 | 35 | 32-31, 28-27, 24-23, 20-19, 3-4, 7-8, 11-12, 15-16 | Pb-Free |
| TG05-S001NURL | 1:2 | 1.5 | 35 | 32-31, 28-27, 24-23, 20-19, 3-4, 7-8, 11-12, 15-16 | RoHS (7a) |
| TG37-1505NULF | 1:1.14 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | Pb-Free |
| TG37-1505NURL | 1:1.14 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | RoHS (7a) |
| TG37-S001NULF | 1:1.14 | 1.5 | 35 | 1-2, 30-29, 5-6, 26-25, 9-10, 22-21, 13-14, 18-17 | Pb-Free |
| TG37-S001NURL | 1:1.14 | 1.5 | 35 | 1-2, 30-29, 5-6, 26-25, 9-10, 22-21, 13-14, 18-17 | RoHS (7a) |
| TG39-1505NULF | 1:1.15 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | Pb-Free |
| TG39-1505NURL | 1:1.15 | 1.5 | 35 | 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16 | RoHS (7a) |
| TG83-1505NULF | 1:1 & 1:2 | 1.5 | 35 | 1-2, 5-6, 9-10, 13-14 & 3-4, 7-8, 11-12, 15-16 | Pb-Free |
| TG83-1505NURL | 1:1 & 1:2 | 1.5 | 35 | 1-2, 5-6, 9-10, 13-14 & 3-4, 7-8, 11-12, 15-16 | RoHS (7a) |
| TG91-1505NULF | 1:2.4 & 1:1 | 1.5 | 35 | 1-2, 7-8, 9-10, 15-16 & 3-4, 5-6, 11-12, 13-14 | Pb-Free |
| TG91-1505NURL | 1:2.4 & 1:1 | 1.5 | 35 | 1-2, 7-8, 9-10, 15-16 & 3-4, 5-6, 11-12, 13-14 | RoHS (7a) |

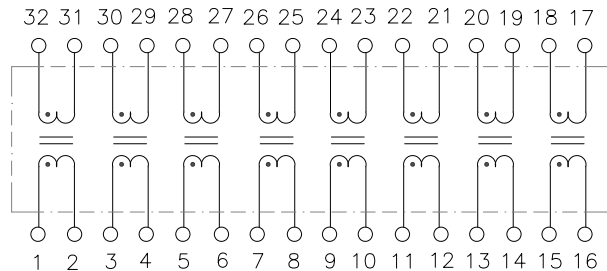
Notes:

1. Pb-Free parts are RoHS 6/6 compliant. RoHS (7a) parts contain lead per exemption 7a which is set to expire July 2016.
2. Parts with RL suffix are not recommended for new designs.
3. Please contact the factory or representative for individual datasheets or additional information.



Dimensions: inch [mm]
Co-Planarity: 0.004 [0.10]

Circuit Diagram



Patented Construction

US Patent Numbers:

5,656,985 6,297,721 B1
6,297,720 B1 6,320,489 B1
6,344,785 B1 6,662,431 B1



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