

K-No.: 25088

Powerline transformer

Date: 22.07.2014

Customer: Standard type

Customers part No.:

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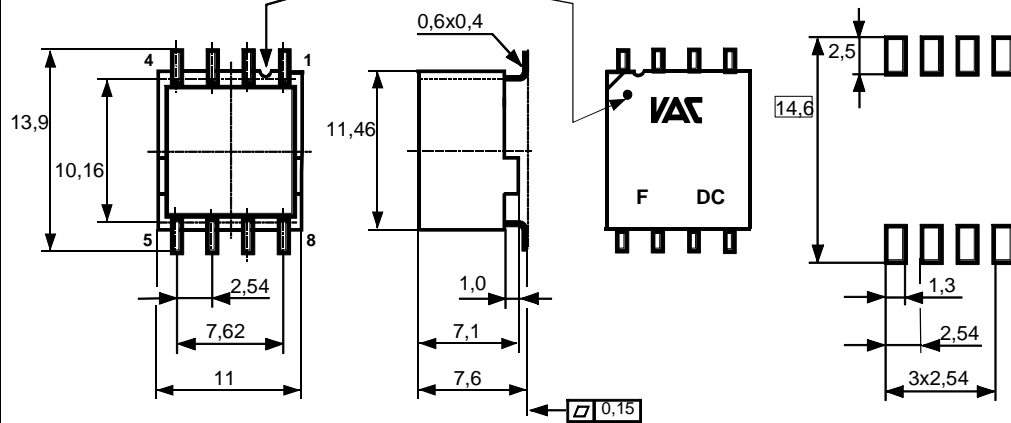
Mechanical outline (mm): (General Tolerances DIN ISO 2768-c)

Toleranz der Stiftabstände
±0,2 mm
(Tolerances grid distance)

Kennzeichnung Stift 1
(marking pin 1)

DC=Date Code
F=Factory

Vorschlag zur Anordnung
der Anschlußflächen
(Example for pad position)



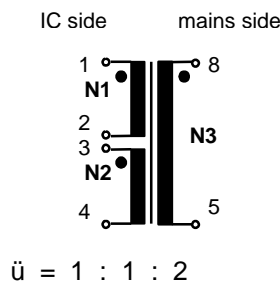
Connections:

Unused pin(s):
No. 6,7

Marking

VAC DC
5024X090
F

Schematic diagram:



Operational data/characteristic data (nominal values):

$f = 10 \dots 1000 \text{ kHz}$

$I_{RMS} < 40 \text{ mA (50/60Hz)}$

$C_{K1+2-3} \leq 30 \text{ pF}$

$R_{Cu1} \leq 100 \text{ m}\Omega, R_{Cu2} \leq 100 \text{ m}\Omega, R_{Cu3} \leq 100 \text{ m}\Omega$

Operating temperature: $-40 \text{ }^\circ\text{C} \dots +85 \text{ }^\circ\text{C}$

Storage temperature: $-40 \text{ }^\circ\text{C} \dots +85 \text{ }^\circ\text{C}$

Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)

- | | | | | |
|----|------------|----------|--|---|
| 1) | (V) | M3014: | $U_{p,eff} = 3,0 \text{ kV}, 2 \text{ s},$ | N3 vs N1+N2 |
| 2) | (AQL 0,25) | M3011/1: | $L_3 = 880 \mu\text{H} \pm 25\%,$ | $f = 10 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V) | M3011/6: | Polarity, Turns ratio: | Tolerance $\pm 2 \%$ |
| 4) | (Fix05) | M3291: | Solderability test acc. to chapter 1 | |
| 5) | (AQL 1/S4) | M3200: | Mechanical test | |

see page 2

Applicable documents: See page 2

Date	Name	Index	Change
22.07.14	Pf.	82	Characteristic data: $I_{DC} < 40 \text{ mA}$ changed to $I_{RMS} < 40 \text{ mA (50/60Hz)}$. Lapidary change.
26.10.12	Pf.	82	Operational data: $I_{DC} < 40 \text{ mA}$ inserted. Lapidary change.

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Type test

- 1) High voltage test according to M3014
 $U_{p,eff} = 3 \text{ kV}$, 1 min, N1+N2 vs N3
- 2) M3292: Resistance to soldering heat acc. to chapter 2

Measurements after temperature balance of the test samples at room temperature

Applicable documents:

Designed, manufactured and tested in accordance to EN 60950 (VDE 0805, UL1950) and complies with the standards.

Parameters: Reinforced insulation: N1+N2 vs N3
 Working voltage: 400 V r.m.s.
 overvoltage category: 2
 Pollution degree: 2
 Insulation material group: 3

Housing material, casting resin and wire UL – listed

Packing: Drypack / MSL according VAC M3027

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