

K-Nr.: 26307
 K-no.:

Powerline Transformer

 Datum: 11.03.2015
 Date:

 Kunde: Standard Type
 Customer

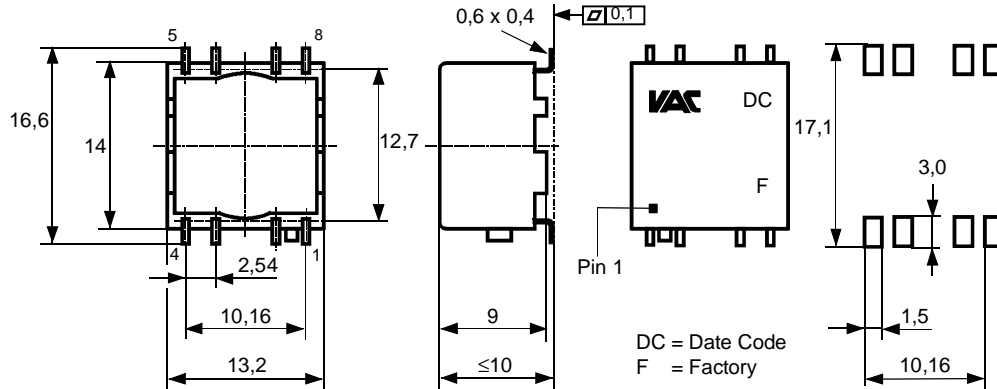
 Kd. Sach Nr.:
 Customers part no.:

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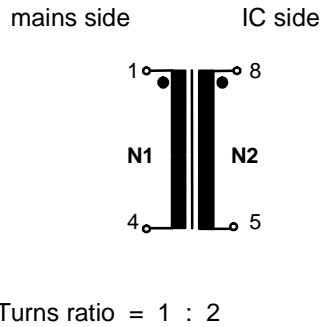
 Maßbild (mm): Freimaßtoleranz DIN ISO 2768-c
 Mechanical outline General tolerances

 Anschlüsse:
 Connections:
 1, 4, 5, 8

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

 Vorschlag zur Anordnung der
 Anschlussflächen (Example
 for pad positions)

 Beschriftung:
 marking

 5032X111
 F DC

 Anschlußschema:
 Schematic diagram

 Betriebsdaten/Charakteristische Daten (Richtwerte):
 Operational data/characteristic data (nominal values):

 $f = 10 \dots 1000 \text{ kHz}$
 $I_{DC} < 140 \text{ mA}$; (related to N1)

 $C_{K1-2} < 7 \text{ pF}$; $f = 10 \text{ kHz}$; $U_{eff} = 100 \text{ mV}$
 $R_{Cu1} \leq 170 \text{ m}\Omega$; $R_{Cu2} \leq 400 \text{ m}\Omega$

 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; SC = significant characteristic)

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Weitere Vorschriften: Siehe Seite 2

Applicable documents See page 2

Datum	Name	Index	Änderung
11.03.15	Bs	81	Typo. Operational data, $C_{K1+2} < 7\text{pF}$ changed to $C_{K1-2} < 7\text{pF}$. Lapidary change.

 Hrsg.: KB-E
 editor

 Bearb.: Bs
 designer

 KB-PM: Pf.
 check

 freig.: HH
 released

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

- | | | | | |
|----|------------|----------|--|---|
| 1) | (V) | M3014: | $U_{p,rms} = 3,0 \text{ kV}, 2 \text{ s},$ | N1 vs N2 |
| 2) | (AQL 0,25) | M3011/1: | $L_2 = 1,2 \text{ mH} \pm 40\%,$ | $f = 10 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V) | M3011/2: | $L_{S2-1k} = 23 \mu\text{H} \pm 10\%,$ | $f = 100 \text{ kHz}, U_{eff} = 100 \text{ mV},$ N1 short-circuited |
| 4) | (V) | M3011/6: | Polarity, Turns ratio: | Tolerance $\pm 2 \%$ (SC) |
| 5) | (Fix05) | M3291: | Solderability test acc. to chapter 1 | |
| 6) | (AQL 1/S4) | M3200: | Mechanical test | |

Type test:

- 1) High voltage test according to M301
- 2) $U_{p,rms} = 3,0 \text{ kV}, 1 \text{ min},$ N1 vs N2
- 2) M3292: Resistance to soldering heat according to chapter 2

Measurements after temperature balance of the test samples at room temperature

Applicable documents:

Housing material, casting resin and wire UL – listed

Packing: Drypack / MSL according VAC M3027

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