

K-No.: 23093

Powerline transformer

Date: 28.09.2011

Customer Standard Type

Customers part No.:

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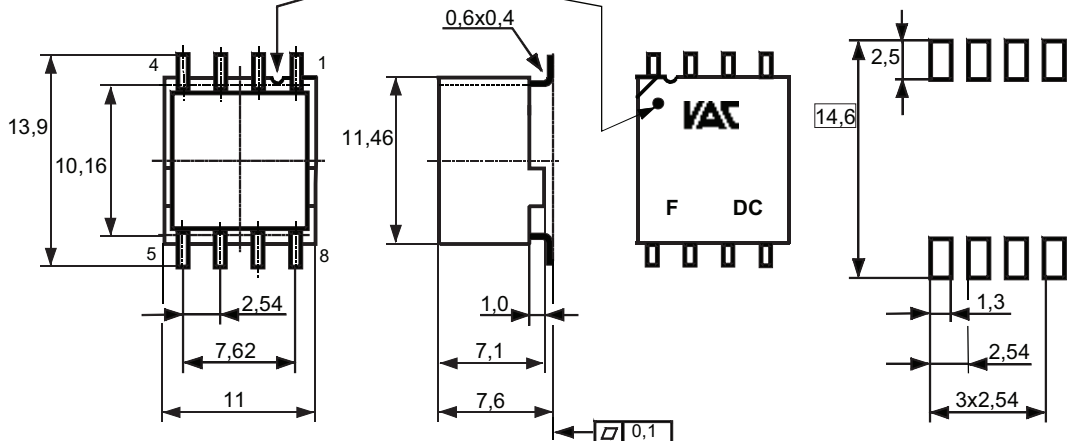
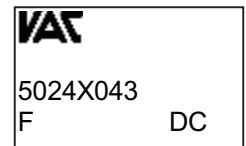
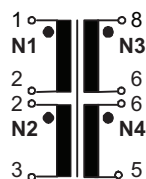
Mechanical outline (mm): (General Tolerances DIN ISO 2768-c)

Connections:
Dummy pins:
No. 4 and 7

Toleranz der Stiftabstände
 $\pm 0,2$ mm
(Tolerances grid distance)

Kennzeichnung Stift 1
(marking pin 1)

DC=Date Code
F=Factory

Vorschlag zur Anordnung
der Anschlußflächen
(Example for pad position)

Beschriftung:
marking

Schematic diagram:

 $\ddot{u} = 1 : 1 : 1 : 1$
Operational data/characteristic data (nominal values):
 $I_{DC} < 300\text{mA}$ $f = 1 \dots 30 \text{ MHz}$
 $R_{Cu1+2} \leq 150 \text{ m}\Omega$
 $R_{Cu3+4} \leq 150 \text{ m}\Omega$
 $C_K \leq 25 \text{ pF}^*$ (N_{1+2} to N_{3+4})

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

Storage temperature: $-40^\circ\text{C} \dots +85^\circ\text{C}$
Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1)

- | | | | |
|---------------|----------|---|---|
| 1) (V) | M3014: | $U_{p,eff} = 5,5 \text{ kV}, 2 \text{ s},$ | N1+2 vs N3+4 |
| 2) (AQL 0,25) | M3011/1: | $L_{1+2} > 23 \text{ }\mu\text{H},$ | $f = 10 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ |
| 3) (AQL 0,25) | M3011/2: | $L_{S1+2} \leq 0,5 \text{ }\mu\text{H},$ | $f = 100 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ (N_{3+4} short circuited) |
| 4) (V) | M3011/6: | Polarity, Turns ratio: | Tolerance $\pm 2 \%$ |
| 5) (Fix 05) | M3291: | Lötbarkeitstest nach Abschnitt 1 / solderability test acc. to chapter 1 | |
| 6) (AQL 1/S4) | M3200: | Mechanische Prüfung / Mechanical test | |

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Applicable documents: See page 2

Date	Name	Index	Change
28.09.11	Bs	83	Revised acc to EN 60950. Inspection point1) changed from 3kV to 5,5kV. Mechanical outline: width changed from 10 to 11mm. Type test M3064 cancelled, M3014 changed from 3 to 6kV. Page A3: Tape reel changed. ÄA-192
Editor: KB-E	Design: Bs		KB-PM: Ert. check
			released: HS

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		Specification		Item No.: T60403-K5024-X043	
K-No.: 23093		Powerline transformer			Date: 28.09.2011
Customer Standard Type			Customers part No.:		Page 2 of 3
Typprüfung: Type test: 1) M3292: Resistance to soldering heat acc. to chapter 2 2) High voltage test according to M3014 $U_{p,eff} = 6 \text{ kV}, \quad 1 \text{ min}, \quad N1+N2 \text{ vs } N3+N4$ 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 Designed, manufactured and tested in accordance with EN 60950 (VDE 0805, UL 60950) and complies with the standards. <u>Parameters:</u> Reinforced Insulation: N1+N2 vs N3+N4 Working voltage $U_{rms} = 250 \text{ V}$ Overvoltage category:3 Pollution degree 2 Insulation material group 3 Certificate according to EN 10204-2.1 for each delivery					
Editor: KB-E		Design: Bs		KB-PM: Ert. check	
				released: HS	

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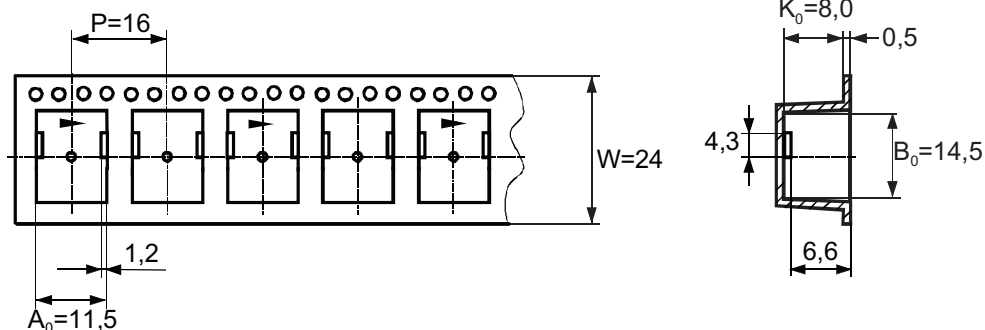
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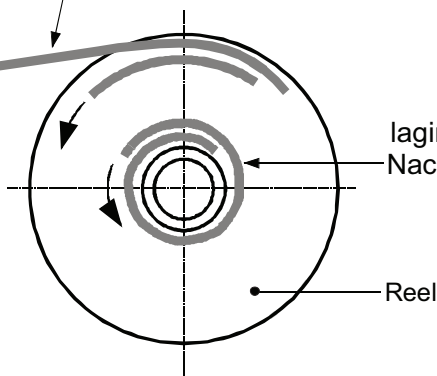
packing information / Verpackungsinformation


the first two nests must be crushed for better pockets.
 Die ersten zwei Nester gequetscht für besseres einfädeln.

leading 25 empty pockets
 Vorlauf 25 leere Nester

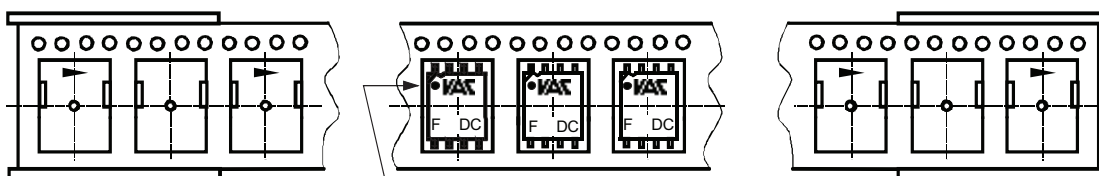
cover tape 400mm longer than carrier tape
 Deckband 400mm länger als Blistergurt

laging 25 empty pockets
 Nachlauf 25 leere Nester



laging: >25 empty pockets
 Nachlauf >25 leere Nester

leading: >25 empty pockets
 Vorlauf >25 leere Nester



Orientation of Pin 1 in carrier tape
 Anordnung von Stift 1 im Blistergurt

Insertion of components according orientation 3 shown in M-sheet 3510
 Einsetzen der Bauelemente nach M-Blatt 3510 Orientierung 3

quantities in packing: 450 pieces/tape (packing carton) 450 Bauelemente/Rolle
 Verpackungsmenge 5 tapes reel/carton (outside)=2250 pieces /carton(outside)
 5 Rollen/Karton =2250 Bauelemente /Außenkarton

Editor: KB-E

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