

K-No.: 23188

Signal -Transformer

Date: 22.07.2014

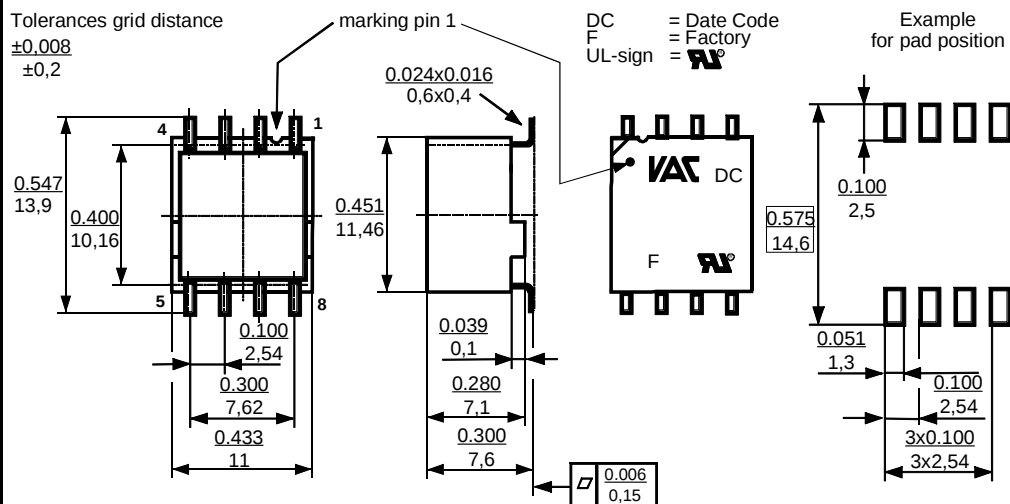
Customer: Standard Type

Customer part No.:

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Mechanical outline (Inches / mm)

General tolerances DIN ISO 2768-c

Tolerances grid distance
 ± 0.008
 $\pm 0,2$


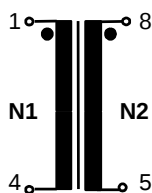
Connections:

Not connected pins
2,3,6,7

Marking:

VAC
5024X044 DC
F UL-sign

Schematic diagram:



Turns ratio = 1 : 1

Operational data/characteristic data (nominal values):

 $f = 10 \text{ kHz} \dots 1 \text{ MHz}$
 $m = 1,88 \text{ g}$
 $I_{\text{RMS}} < 30 \text{ mA (50/60Hz)}$
 $R_{\text{Cu1}} \leq 200 \text{ m}\Omega$;

 $R_{\text{Cu2}} \leq 200 \text{ m}\Omega$
 $L_{\text{S1-2}} \leq 0,30 \text{ }\mu\text{H}$;

 $C_{\text{K1-2}} \leq 25 \text{ pF}$

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-Part1)

- | | | | | |
|---------------|----------|---|-----------------------|--|
| 1) (V) | M3014: | $U_{\text{p,r.m.s.}} = 5,5 \text{ kV},$ | 2s, | N1 vs N2 |
| 2) (AQL 0,25) | M3214: | $L_1 \geq 0,75 \text{ mH},$ | $f = 10 \text{ kHz},$ | $U_{\text{AC,r.m.s.}} = 100 \text{ mV}, I_{\text{DC}} = 30 \text{ mA}$ |
| 3) (V) | M3011/6: | Polarity / Turns ratio: Tolerance $\pm 2\%$ | | |
| 4) (AQL 0,25) | M3011/1: | $L_1 = 1,40 \text{ mH} \pm 30\%,$ | $f = 10 \text{ kHz},$ | $U_{\text{AC,r.m.s.}} = 100 \text{ mV}$ |
| 5) (Fix 05) | M3291: | Solderability acc. to chapter 1 | | |
| 6) (AQL 1/S4) | M3200 | Mechanical test | | |

See page 2

Applicable documents: See page 2

Date	Name	Index	Changes
22.07.14	Pf.	89	Characteristic data: $I_{\text{DC}} < 30 \text{ mA}$ changed to $I_{\text{RMS}} < 30 \text{ mA (50/60Hz)}$. Lapidary change.
26.10.12	Pf.	89	Operational data: $I_{\text{DC}} < 30 \text{ mA}$ inserted. Lapidary change.

Editor.: KB-E	Designer: Bs.	KB-PM: Ert. check	Released.: HH
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Type test:

- 1) High voltage test according to M3014
 $U_{p,r.m.s.} = 6 \text{ kV}$, 1 min, N1 vs N2
- 2) M3292: Lötwärmebeständigkeit nach Abschnitt 2
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 with EN 60950-1 and complies with the standards.

Parameters: Reinforced insulation: N1 – N2

Working voltage $U_{r.m.s.} = 250 \text{ V}$

Overvoltage category: 3

Material group: 3

Pollution degree: 2

Following report is available:

Certificate of Compliance of the Underwriters Laboratories Inc. (UL) (File No. E169721).

It is confirmed that this component meets the safety requirements of the following standards:

UL 60950-1, 2nd edition; C22.2 No. 60950-1-07, 2nd edition.

Housing material, casting resin and wire UL - listed

Packing:	Packing according to M3510
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Packing: Drypack / MSL according VAC M3027

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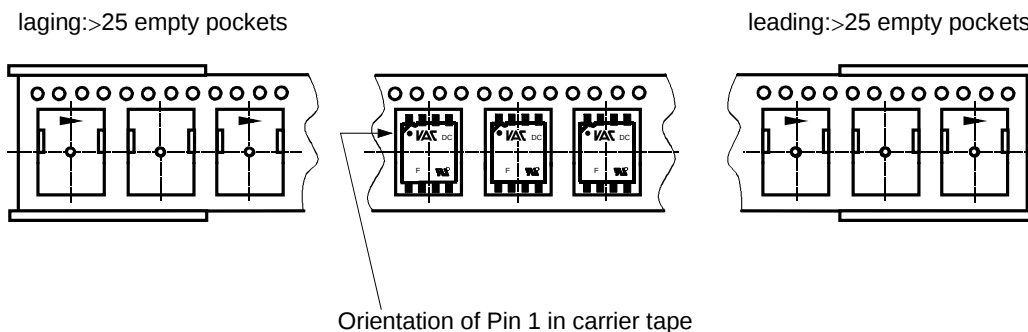
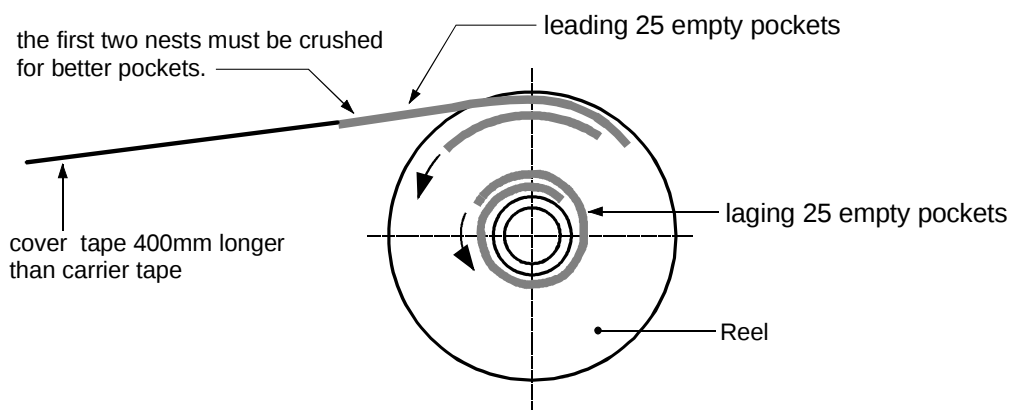
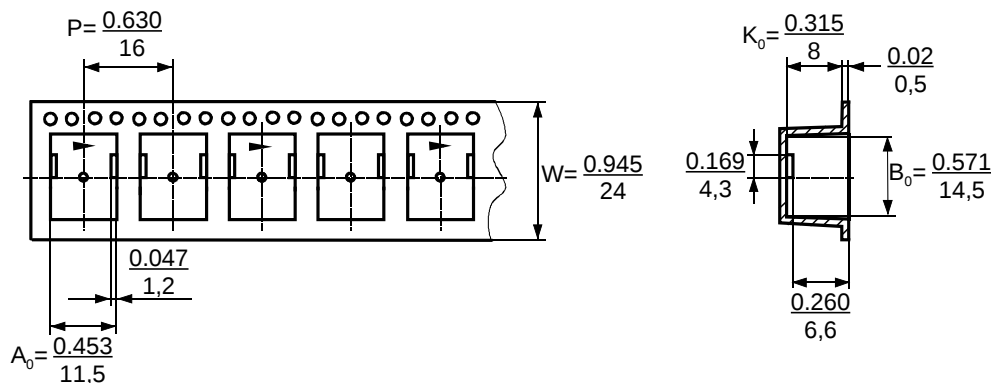
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Packing information


Insertion of components according orientation 3 shown in M-sheet 3510

Quantities in packing: 450 pieces/tape (packing carton)
5 tapes reel/carton (outside)=2250 pieces /carton(outside)

Editor.: KB-E

Designer: Bs.

KB-PM: Ert.
check

Released.: HH

Mouser Electronics

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