

**K-No.:** 24063

**Signal Transformer**
**Date:** 24.04.2015

**Customer:** Standard type

**Customers part No.:**
**Page** 1 of 3

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

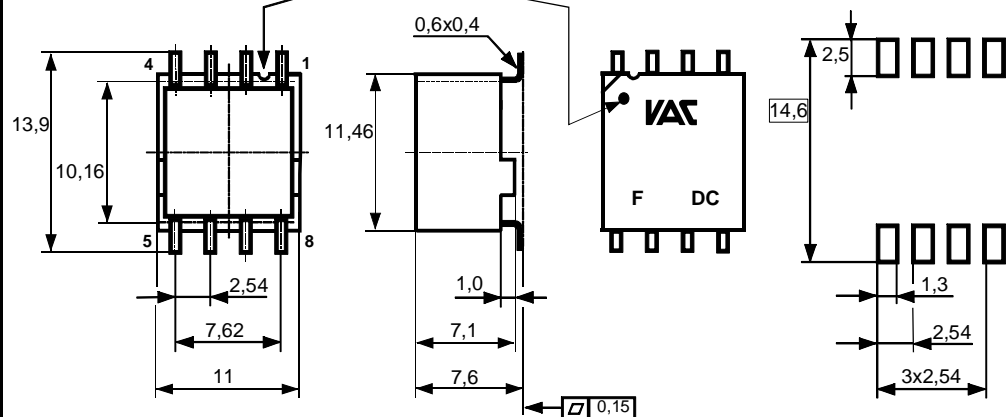
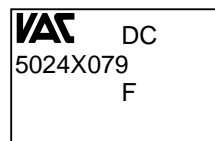
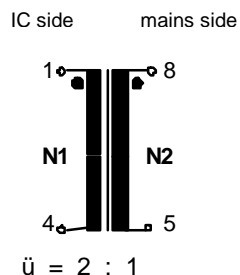
 Toleranz der Stiftabstände  
 $\pm 0,2$  mm  
 (Tolerances grid distance)

 Kennzeichnung Stift 1  
 (marking pin 1)

 DC=Date Code  
 F=Factory

 Vorschlag zur Anordnung  
 der Anschlußflächen  
 (Example for pad position)

**Connections:**

 Unused pin(s):  
 No. 3,2,6,7

**Beschriftung:**  
 marking

**Schematic diagram:**

**Operational data/characteristic data (nominal values):**
 $f = 10 \text{ kHz} \dots 1 \text{ MHz}$ 
 $L_{S1-2} \leq 2 \mu\text{H};$ 
 $C_{K1-2} \leq 50 \text{ pF}$ 
 $R_{Cu1} \leq 350 \text{ m}\Omega, \quad R_{Cu2} \leq 120 \text{ m}\Omega$ 

 Operating temperature:  $-40 \text{ }^\circ\text{C} \dots +120 \text{ }^\circ\text{C}$ 

 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:   | $U_{p,eff} = 3,0 \text{ kV}, 2 \text{ s},$ | N1 to N2  |
| 2) | (AQL 0,25) | M3011/1: | $L_2 = 1,40 \text{ mH}^* \pm 30\%,$        | $f = 10 \text{ kHz}, U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V)        | M3011/6: | Polarity, Turns ratio:                     | Tolerance $\pm 2 \%$                              |
| 4) | (Fix05)    | M3291:   | Solderability test acc. 1                  |   |
| 5) | (AQL 1/S4) | M3200:   | Mechanical test                            |   |

see page 2

**Applicable documents:** See page 2

Date	Name	Index	Change
24.04.15	Bs.	83	Typo: storage temperature changed from $+120^\circ\text{C} \rightarrow +85^\circ\text{C}$ . lapidary change.

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Page 2 of 3

Type test

1) M3292: Resistance to soldering heat acc. to chapter 2

2) High voltage test according to M3014

$U_{p,eff} = 3 \text{ kV}$ , 1 min, N1 vs N2

Measurements after temperature balance of the test samples at room temperature

\*preliminary

**Applicable documents:**

Designed, manufactured and tested in accordance to EN 60950 and complies with the standards.

Parameters: Reinforced insulation: N1-N2

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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