

K-No.: 24879

**Powerline transformer**

Date: 11.06.2007

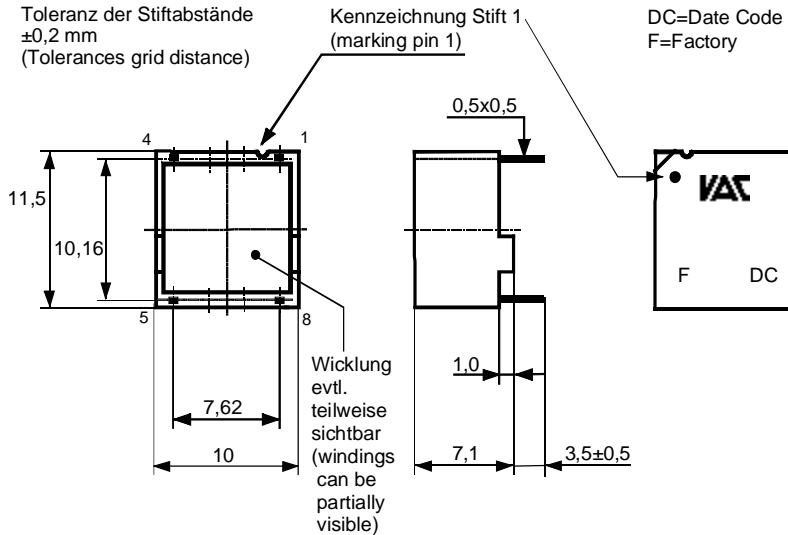
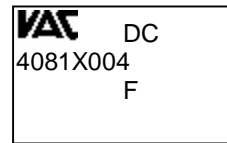
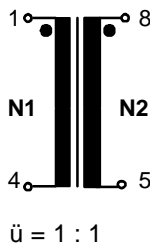
Customer Standard Type

Customers part No.:

Page 1 of 2

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

Connections:


 Beschriftung:  
 marking

**Schematic diagram:**

**Operational data/characteristic data (nominal values):**

$R_{Cu1} \leq 200 \text{ m}\Omega^*$

$R_{Cu2} \leq 300 \text{ m}\Omega^*$

$L_{L1} \leq 0.3 \mu\text{H}^*$  (N<sub>2</sub> short circuited)

$C_K \leq 25 \text{ pF}^*$  (N<sub>1</sub> to N<sub>2</sub>)

Operating temperature: -40 °C ... +125 °C

Storage temperature: -40 °C ... +120 °C

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

- |    |            |        |  |                               |
|----|------------|--------|--|-------------------------------|
| 1) | (V)        | M3014: | $U_{p,eff} = 4.0 \text{ kV}$ , 2 s,                          | N1 to N2                      |
| 2) | (AQL 0,25) |        | $L_1 = 1,4 \text{ mH} \pm 30 \%$ ,<br>$f = 10 \text{ kHz}$ , | $U_{AC,eff} = 100 \text{ mV}$ |
| 3) | (V)        |        | Polarity, Turns ratio:                                       | Tolerance $\pm 2 \%$          |
| 4) |            | M3029: | Solderability test acc. 1.1                                  |                               |
| 5) | (AQL 1/S4) | M3200: | Mechanical test  |                               |

See page 2

**Applicable documents:**

Constructed, manufactured and tested in accordance to EN 60950 (IEC 950) and agrees with the standards

Parameters: Reinforced insulation: N1 → N2

Working voltage: 400 V r.m.s.

Insulation category: 3

Pollution degree: 2

Material group: 2

Housing material, casting resin and wire UL – listed

Date	Name	Index	Change
11.06.07	Gr.	82	Inspection point 1) changed to 4kV, working voltage 400 V, Insulation category 3. Type test inserted. AA-249
17.04.07	Gr.	81	Mechanical outline: write error, width changed from 13,9 into 11,5. Insignificant.

Editor: KB-FB FP	Design: Gr.	KB-PM B: Pf. check	released: Gr.
------------------	-------------	-----------------------	---------------

K-No.: 24879

**Powerline transformer**

Date: 11.06.2007

Customer Standard Type :

Customers part No.:

Page 2 of 2

**Typprüfung:**

Type test

- 1) Stoßspannungsprüfung in Anlehnung an M3064  
 HV transient test according to M3064

N1 gegen/to N2

 Einstellwerte: 10  $\mu$ s / 700  $\mu$ s-Kurvenform (waveform)

 Settings  $U_{p,max} = 10$  kV

 $R_i = 40$   $\Omega$ 

 10 Impulse im Abstand t = 10 Sekunden mit wechselnder Polarität  
 10 pulses in a cycle of t = 10 seconds with changing polarity

- 2) M3014:  $U_{p,eff} = 4.0$  kV, 60 s, N<sub>1</sub> to N<sub>2</sub>

Measurements after temperature balance of the test samples at room temperature

\* preliminary

Editor: KB-FB FP

Design: Gr.

 KB-PM B: Pf.  
 check

released: Gr.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Audio Transformers / Signal Transformers](#) category:*

*Click to view products by [Vacuumschmelze](#) manufacturer:*

Other Similar products are found below :

[CX2041NLT](#) [MGPWT-00449-P](#) [PE-64961](#) [H1302FNLT](#) [H5008FNL](#) [H5012FNL](#) [H5020FNLT](#) [H5077NLT](#) [H5079NLT](#) [H5084FNLT](#)  
[B78476A9558A003](#) [1812WBT2-4](#) [1879479-1](#) [HX2260FNL](#) [HX5014FNL](#) [EX2024FNL](#) [FL1066](#) [T1137NLT](#) [T3012NL](#) [PE-65812FNL](#) [PE-65848FNLT](#) [H1174FNL](#) [H1302FNL](#) [H5015FNL](#) [H5019EFNL](#) [H5062FNLT](#) [CX2047LNL](#) [MGPWT-00059-P](#) [MGPWT-00266-P](#) [MGPWT-00278-P](#) [MGPWT-00431-P](#) [TTC-100](#) [TTC-143-H](#) [TTC-5032-1](#) [BX1194WNLT](#) [HX1234NLT](#) [HX5008FNLT](#) [HX5019FNL](#) [HX5084NL](#) [3-1879385-5](#) [TX1263NLT](#) [4-1879391-0](#) [T1142NL](#) [HX6101FNL](#) [HX5084FNL](#) [HX1148NL](#) [HX5020FNLT](#) [HX5014FNLT](#) [T1124NL](#)  
[1879732-1](#)