

K-Nr.: 26989
K-no.:

Stromkompensierte Drossel / Common Mode Choke

Datum: 10.05.2019
Date:

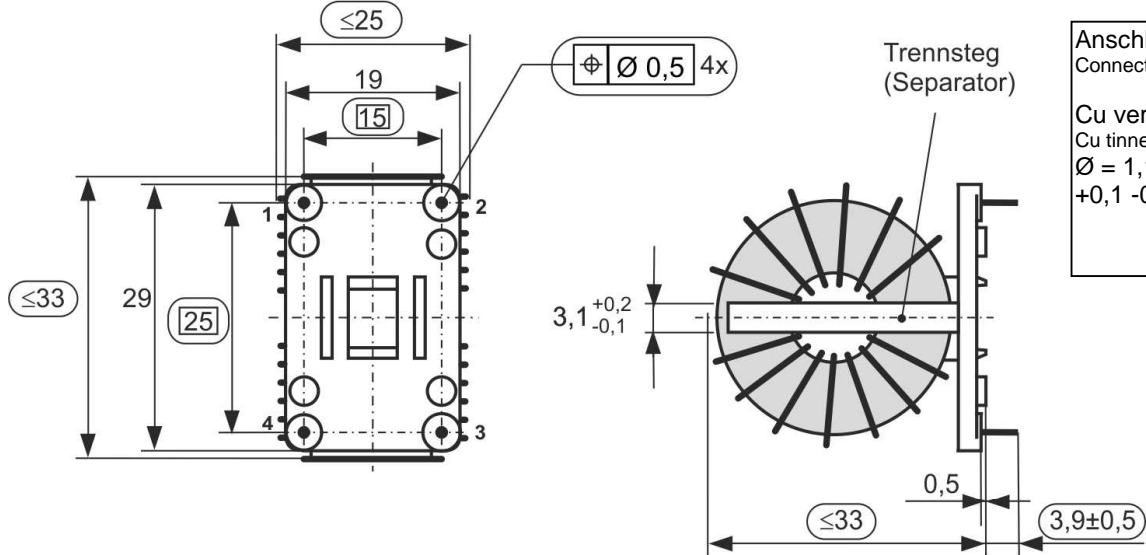
Kunde: Typenelement / Standard type
Customer

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Maßbild (mm):
Mechanical outline

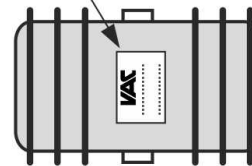
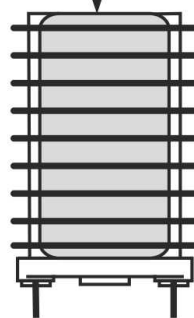
Freimaßtoleranz DIN ISO 2768-c
General tolerances



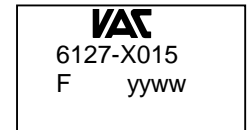
Anschlüsse:
Connections:

Cu verzinkt
Cu tinned
 $\varnothing = 1,12 \text{ mm}$
 $+0,1 -0,2 \text{ mm}$

Beschriftung
(marking)



Beschriftung:
marking



F = Factory Code
yyww = Date Code
(y= year, w= week)

Prüfmaß
(test dimension)

Datum	Name	Index	Änderung
		81	

Hrsg.: R&D-PD NPI D editor	Bearb.: UJ designer	MC-PM: Lu. check	freig.: Pr. released
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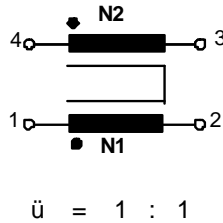
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 Anschlußschema:
 Schematic diagram

 Betriebsdaten/Charakteristische Daten (Typische Werte):
 Operational data/characteristic data (typical values):

	f=10kHz	f=100kHz	DC
L [mH]	12.8	3.0	
Z [Ω]	914	3310	
I _{unbal.} [mA]	18	36	16

 $L_s / L_{leak} = 13 \mu\text{H} \pm 25\%$ and $f = 100 \text{ kHz}$ (Eine Wicklung kurzgeschlossen / one winding shorted)

Bemessungsisolationsspannung / rated insulation voltage:

 $U_{is} = 525 \text{ V}_{\text{RMS}}$ (Funktionsisolation, Verschmutzungsgrad 1 /functional isolation, pollution degree 1)

 $I_N = 2 \times 8 \text{ A}$, $R_{Cu} = 13,6 \text{ m}\Omega$ $m \approx 30 \text{ g}$

 max. Betriebstemperatur / max. operation temperature: $T_{op} = 150^\circ\text{C}$

 Lagertemperatur / storage temperature: $T_{st} = -40^\circ\text{C} \dots +85^\circ\text{C}$

 Umgebungstemperatur / ambient temperature: $T_a = -40^\circ\text{C} \dots +115^\circ\text{C}$
Prüfung / Inspection: (V: 100%-Test; AQL...: DIN ISO 2859-Teil1; SC = significant characteristic)

- | | | |
|---------------|----------|---|
| 1) (V) | M3014: | $U_{p,eff} = 1,85 \text{ kV}$, 1 s , N gegen/to N |
| 2) (V) | M3011/1: | $L_1 = 3,0 \text{ mH}$ -30% / +50% $f = 100 \text{ kHz}$, $U_{AC,eff} = 1,5 \text{ V (SC)}$ |
| 3) (V) | M3011/6: | Polarität / Übersetzungsverhältnis: Toleranz $\pm 5\%$ ($\pm 0\text{Wdg.}$)
Polarity / Turns ratio: Tolerance |
| 4) (AQL 1/S4) | M3011/5: | $R_{Cu1} = 13,6 \text{ m}\Omega +20\% -30\%$, $R_{Cu2} = 13,6 \text{ m}\Omega +20\% -30\%$ |
| 5) (V) | M3200: | Mechanische Prüfung / mechanical test
check of the test dimensions:
{ length $\leq 33 \text{ mm}$, width $\leq 25 \text{ mm}$ },
height $\leq 33 \text{ mm}$, pin length: 3.9 (± 0.5) mm, pin grid |
| 6) (Fix 05) | M3290: | Lötbarkeitstest nach Abschnitt 1
solderability test acc. to chapter 1 |

Messungen nach Temperaturangleich der Prüflinge an Raumtemperatur

Measurements after temperature balance of the test samples at room temperature

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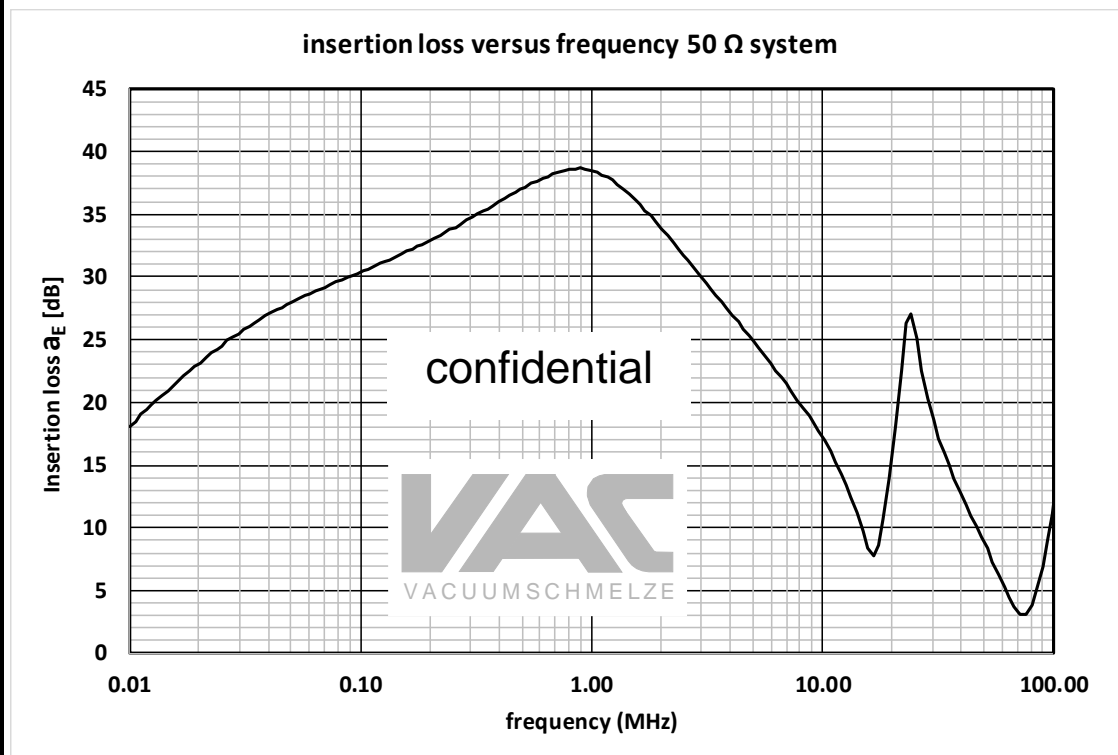
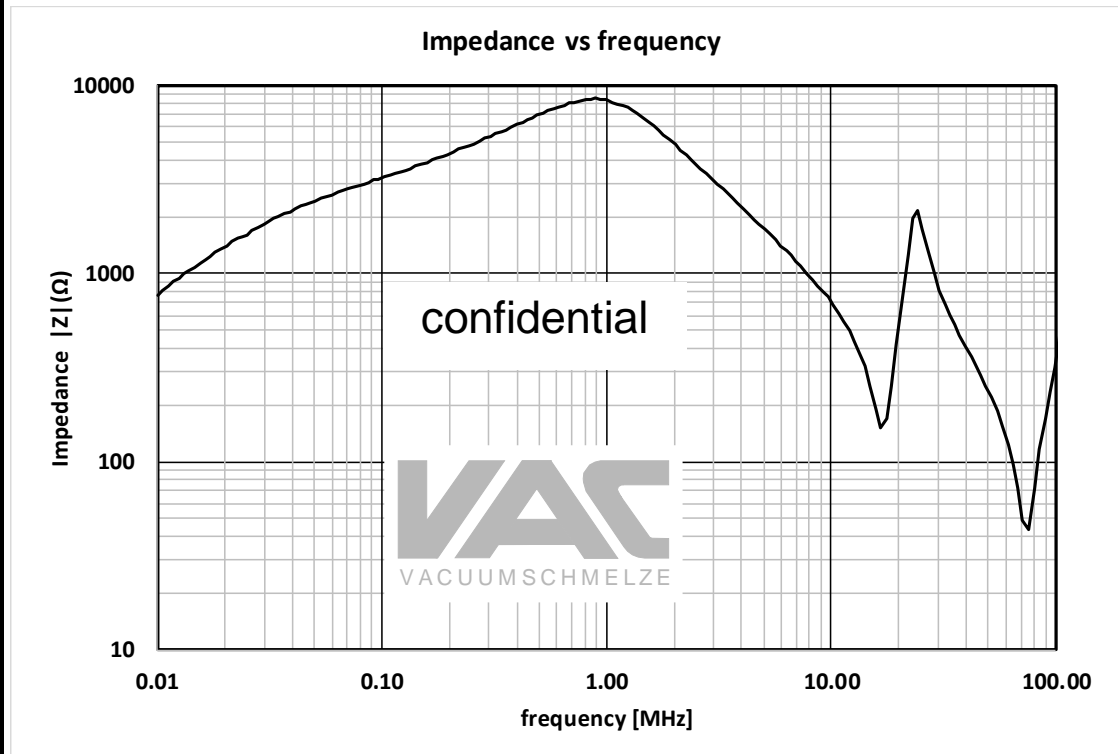
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Typische Kurven / typical characteristics :



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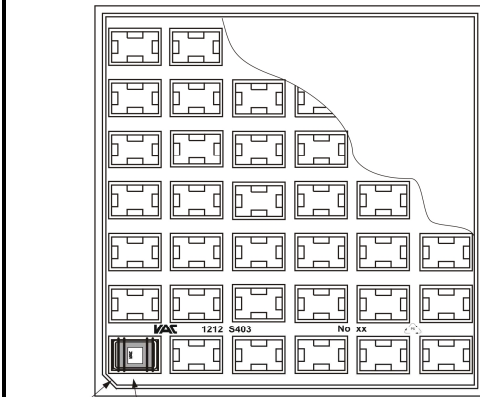
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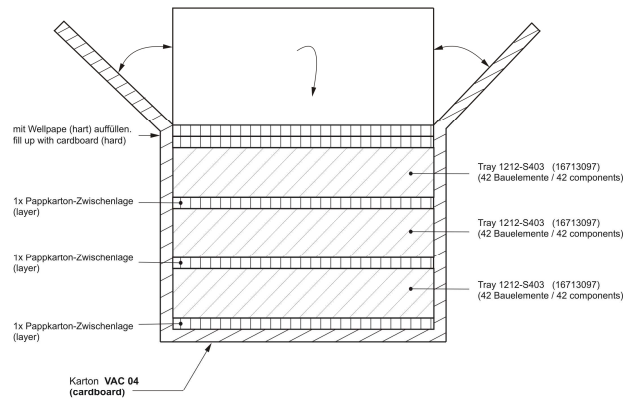
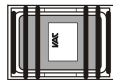
Packing information:

The packing tray (250x250 mm²) have a capacity of 42 components. The standard carton-box (25x25x12,5 cm) have a capacity of 3 packing tray and therefore for 126 components.



Abschrägung (chamfer)

Bauelement in Nestform eingesetzt (component inserted in cavity form)



126 Stück Bauelemente in einem Karton
126 pcs components in the cardboard

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