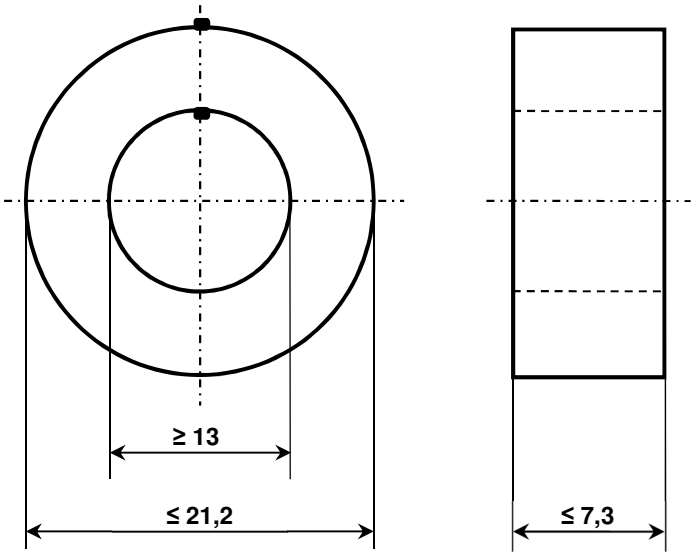
VACUUMSCHMELZE	**Specification / Datenblatt**	**Item no.:** Sach Nr.:	**T60006-E4019-P180**

K-no.: 30352 K-Nr.:	Core design: Toroidal core Ausführung: Ringbandkern	Date: 14.08.2023 Datum:
	Application: Passive Current Sensor Anwendung: Passiver Stromsensor	

Customer: Kunde	Customer part no.: Kd. Sach Nr.:	Page 1 of 1 Seite von

Drawing
without scale. Dimension in mm



Core material
Vitrovac 6025 Z

Type of finish
Fix 022/D
(Plastic box and silicon rubber)

Nominal core dimensions
19 x 15 x 5 mm

Effective core parameters
A_{Fe} = 0,08 cm²
l_{Fe} = 5,34 cm
m_{Fe} = 3,29 g

Core properties at room temperature
Magnetic flux: 8,2 µVs ≤ Φ_{SS} ≤ 10,4 µVs

Marking:

P180-01

Final Inspection: (100% inspection, AQL...: IEC 410 / DIN ISO 2859)

1. **Magnetical test** (AQL 0,65)

   Measurement according magnetic specification XCZ 500

1.1. Measurement of core losses

Setting values:	$\hat{B}$ = 0,4 T	f = 50 kHz	(corresp. U_2 = 0,711 V/turn)
Specified value:	p_{Fe} ≤ 65 W/kg		(corresp. P_{Fe} ≤ 214 mW

1.2. Measurement of flux density swing from residual density into saturation with unipolar rectangular voltage pulses, constand field strength amplitude

Setting values:	t_d = 20 µs	f_P = 1 kHz	$\hat{H}$ = 2 A/cm	(corresp. $\hat{I}$ x N = 10,7 A)
Specified value:	ΔB_{RS} ≤ 50 mT			(corresp. $\Delta\Phi_{RS}$ ≤ 0,4 µVs)

Date	Name	Issue	Amendment
14.08.2023	Sc.	01	Marking with item-no. CN-23-060

Hrsg.: R&D-PD NPI D editor	Bearb: Sc. designer		MC-PM: NSch. check			freig.: Pr. released

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