Choke block – CHB4226

Special Features:

- Nominal inductance: 60 µH
- Compliance:
  - IEC62109-1:2010
  - IEC61588-1:2019
  - RoHS and REACH
- Integrated choke module
- Heat sink / cold plate cooling ready

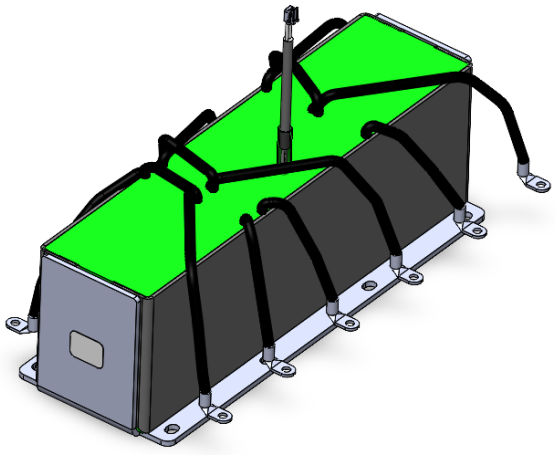

Figure 1. General view

Typical Applications:

- Switch Mode Power Supplies
- AC/DC converters

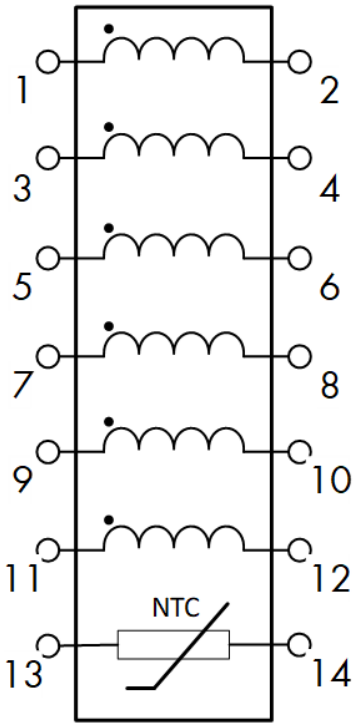

Figure 2. Electrical circuit

For samples or custom solutions please contact directly:
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XI Wydział Gospodarczy Krajowego Rejestru Sądowego
Kapitał zakładowy: 20.665.000,00 PLN

BANK PEKAO SA Oddz. w Krakowie, ul. Józefińska 18 PLN Nr 92 1240 4432 1111 0000 4731 1941 EUR Nr 65 1240 4432 1978 0000 4734 8035 SWIFT: PKOPPLPW

Parameter description	Parameter	Comment
Circuits	Connections are provided in Figure. 2	
Initial inductance	L_P = 60 µH (-15/+20 %)	@300mV, 10 kHz, sine voltage, parallel equivalent circuit Given values are valid for +20 °C; Routine test
Inductance at DC bias	$L_{CM\text{-}@dc\text{-}bias}$ ≥ 51 µH @ 40 A $L_{CM\text{-}@dc\text{-}bias}$ ≥ 50 µH @ 45 A	T_{core} = +100 °C Impulse Power Choke Tester, e.g. ed-k DPG10 @400V, Type test
Winding resistance	R_{DC} ≤ 11.5 mΩ	Rated at 20°C (resistance temperature coefficient 0.00393 1/K), Routine test
Dielectric strength	All chokes' potentials against each other 1500 V_{RMS} @50 Hz for 1 sec	Routine test
	All chokes' potentials and metal housing against each other 1500 V_{RMS} @50 Hz for 60 sec	Type test
Solid insulation voltage strength	All chokes' potentials and metal parts against each other 4000 V	Three test pulses of each polarity 1.2µs/50µs, 1sec interval. IEC 62109-1, Tab. 16, col. 4. Int. resistance (pulse generator): max. 500 Ω, Type test
Insulation class	B (130°C)	
Component mass	m = 4,7 kg	Typical value

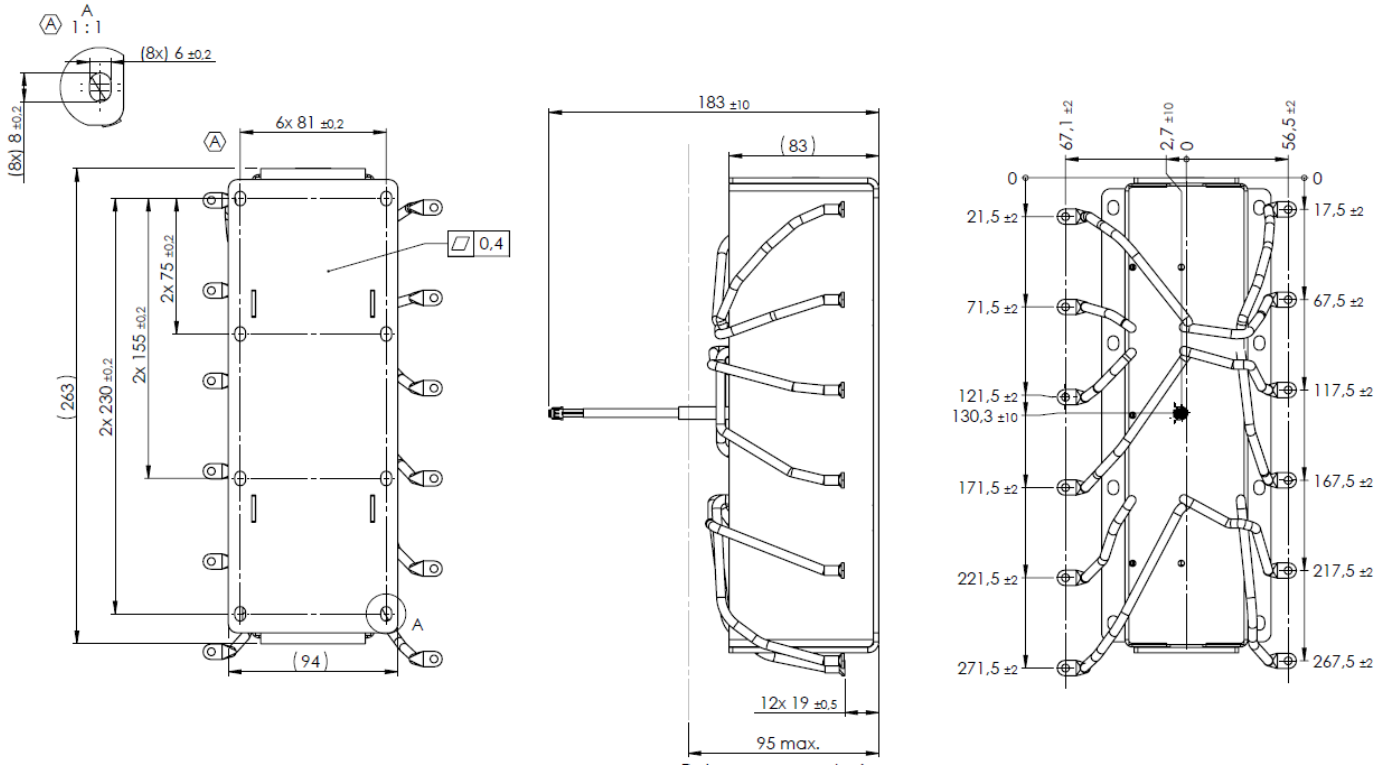

Figure 3. Choke block dimensions in mm