

Features

- Broadband filtering due to low capacitance winding technique;
- High suppression of asymmetrical interferences also at low frequency range;
- Very compact design;
- Highest possible rated current by small size;
- Flammability corresponding to UL 94 V-0;
- Certified according to IEC 60938-2;
- Operating temperature range $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise);



Application

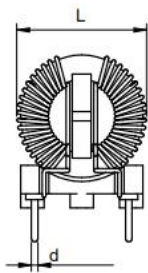
- Power line input and output filter.
- Filtering of devices without any ground connection.
- Suppression of radio interferences in motors.
- Suppression of common mode noise.

Product Identification

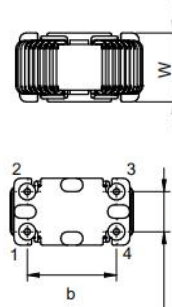
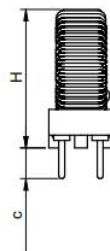
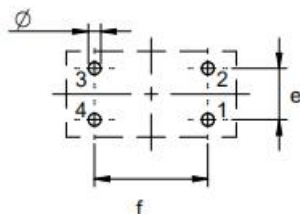
KCMB 4724 - 102 N
 ① ② ③ ④

- ① Series name: Wire Wound Common Mode THT Choke
- ② Chip Size: 47×24×43mm
- ③ Inductance: 1000 uH
- ④ Tolerance: ±30%

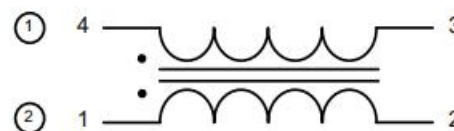
SHAPE AND DIMENSIONS



Recommended Layout:



Schematic:



Series	Mechanical Dimensions(mm)							Land Pattern(mm)		
	LMax	WMax	HMax	a	b	c	dTyp	e	f	∅
KCMB4724	47	24	43	18.5±0.5	10.5±0.5	3.0±0.5	1.5-2.5	18.5	10.5	3.0

SPECIFICATIONS

KCMB 4724 Series

Part Number	L(μ H)	I _R (A)	DCR(m Ω)	U _R (Vac)	U _T (Vac)	Core Material	Test Condition
KCMB4724-501N	500	35	2.3	250	1500	Mn-Zn	10KHz/0.25V
KCMB4724-102N	1000	25	4.5	250	1500	Mn-Zn	10KHz/0.25V
KCMB4724-132N	1300	20	6.2	250	1500	Mn-Zn	10KHz/0.25V
KCMB4724-182N	1800	14	9.5	250	1500	Mn-Zn	10KHz/0.25V

L: Inductance; I_R: Rated Current; U_R: Rated Voltage; U_T: Insulation Test Voltage

TYPICAL ELECTRICAL CHARACTERISTICS

