

Features

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 °C
- Highest possible rated current by small size.
- Frequency range: 1KHz-300MHz
- RoHS, REACH compliant



Application

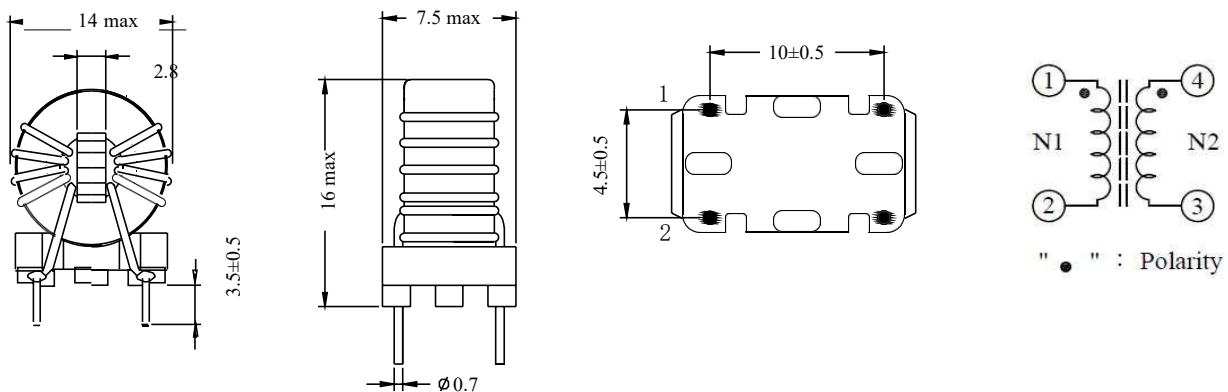
- Power electronics
- Power line in and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

Product Identification

KCMBF 1475 - 102 N
① ② ③ ④

- ① Series name: Wire Wound Common Mode Line SMD Filter
- ② Chip Size: 14x7.5x16mm
- ③ Inductance: 1000uH
- ④ Tolerance: -30%~+50%

SHAPE AND DIMENSIONS



SPECIFICATIONS

Technical specifications :

Rated voltage	250 VAC max @ 50 Hz
Dielectric withstanding voltage	1500 VAC, 3 sec., Between lines
Insulation resistance	≥ 100 MΩ@ 500 VDC, Between lines
Temperature rise	55°C Max. with rated current
Operating temperature	- 40°C to + 125°C, including Temp. rise
Storage conditions	< 40°C ; < 75% RH
Flammability corresponding to	UL 94V-0
Moisture sensitivity level (MSL)	1

Standard Specification:

Part Number	Inductance ^①		DCR ^② [mOhms / Line] Maximum	Rated current ^③ [A] Maximum	Isolation [Vrms]
	mH	Tolerance			
KCMBF1475-401N	0.4	+50% / -30%	22	4.5	1500
KCMBF1475-501N	0.5	+50% / -30%	33	3.5	1500
KCMBF1475-102N	1.0	+50% / -30%	55	2.5	1500
KCMBF1475-162N	1.6	+50% / -30%	90	2.0	1500
KCMBF1475-502N	5.0	+50% / -30%	200	1.3	1500
KCMBF1475-802N	8.0	+50% / -30%	330	1.0	1500
KCMBF1475-113N	11.0	+50% / -30%	430	0.9	1500

- Inductance shown for each winding, measured at: 10kHz, 0.1Vrms,0Adc, on an Agilent/HP4284A LCR meter or equivalent.
- DC Resistance is for each winding.
- Rated current that causes a 55°C temperature rise from 25°C ambient. This information is for reference only, the actual temperature rise depends on the condition of your circuit and the heat dissipation conditions.
- All of electrical specifications measured at 25°C.
- Standard packing : Blister tray in cardboard box, 2000pcs / Carton