

## Common Mode Power Line Choke ~ CMT2012MB SERIES

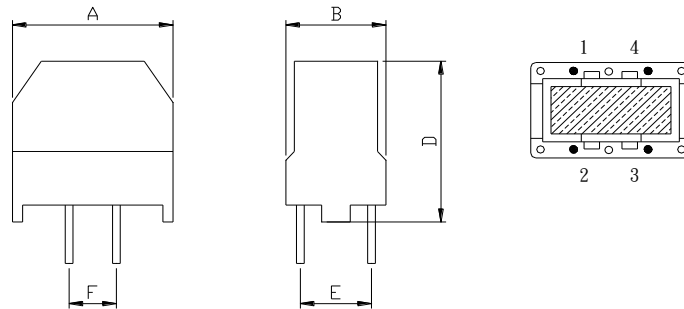


### PART NUMBERING SYSTEM

<b>CMT</b>	<b>2012MB</b>	—	<b>103N</b>	—	<b>LF</b>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

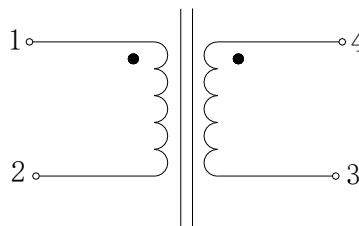
### SHAPES AND DIMENSIONS

UNIT : mm



A=26.5 Max. B=18.5 Max. D=30.5 Max. F= 12.5±0.5 E= 15.0±0.5

### SCHEMATIC DRAWING



### FEATURES

- Highest common mode **impedance** over the **widest frequency range** .
- Materials meet UL-94 V-0 requirements
- Rated voltage : 250Vac
- Dielectric withstanding voltage : 1500 Vac
- Wide inductance range
- Other inductance values available upon request
- RoHS-compliant. Tin-silver over copper terminations.
- Cross refers to the Würth 744632 series



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR ( $\Omega$ ) (max)	I <sub>rms</sub> (A) (max)	Nominal Voltage	TEST FREQ. ( Freq. )
CMT2012MB-182N-LF	1.8±30%	0.023	6.0	250	10KHz/50mV
CMT2012MB-272N-LF	2.7±30%	0.060	3.0	250	10KHz/50mV
CMT2012MB-402N-LF	4.0±30%	0.070	3.0	250	10KHz/50mV
CMT2012MB-682N-LF	6.8±30%	0.160	1.9	250	10KHz/50mV
CMT2012MB-103N-LF	10±30%	0.180	1.9	250	10KHz/50mV
CMT2012MB-273N-LF	27±30%	0.640	1.0	250	10KHz/50mV
CMT2012MB-333N-LF	33±30%	0.850	0.8	250	10KHz/50mV
CMT2012MB-503N-LF	50±30%	1.200	0.6	250	10KHz/50mV

- Inductance is measured with a LCR meter 4284A or equivalent.
- Operating temperature range -25°C to +125°C
- Electrical specifications at 25°C