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Common Mode Choke ~ CMT1411B SERIES

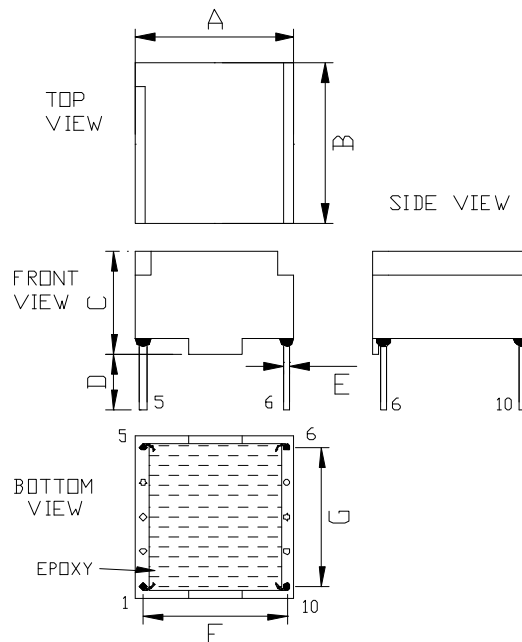


PART NUMBERING SYSTEM

| | | | | | |
|------------|--------------|---|-------------|---|-----------|
| <u>CMT</u> | <u>1411B</u> | — | <u>222N</u> | — | <u>LF</u> |
| TYPE | DIMENSIONS | | IMPEDANCE | | LEAD FREE |

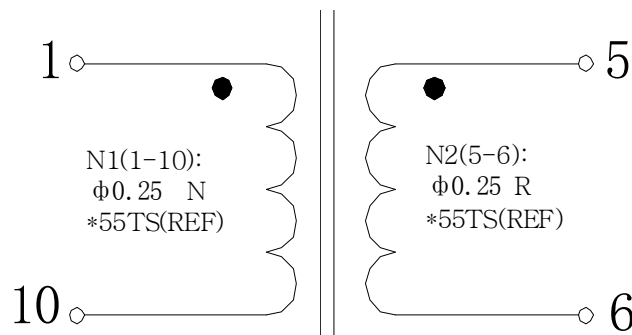
SHAPES AND DIMENSIONS

UNIT : mm



A=15.0 Max. B=13.0 Max. C=10.0 Max. D= 3.5±1.0 E= 0.5±0.1 F= 12.7±0.5 G= 10.2±0.5

SCHEMATIC DRAWING



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FEATURES

- High attenuation over a wide frequency range .
- Wide inductance range
- Excellent quality at extremely competitive price due to high volume production .
- Low intertwining and couple capacitance
- Other inductance values available upon request
- RoHS compliant and meets lead free reflow level .

SPECIFICATION TABLE

| PART NUMBER | INDUCTANCE (mH) | DCR (mΩ) (max) | IN (mA) (max) | Leakage (uH) | Vp Vrms | TEST FREQ. (f) |
|------------------|--------------------|-------------------|--------------------|-------------------|------------|---------------------|
| CMT1411B-102N-LF | 1.0±30% | 190 | 600 | 0.25 | 500 | 100KHz/20mV |
| CMT1411B-172N-LF | 1.7±30% | 200 | 550 | 0.42 | 500 | 100KHz/20mV |
| CMT1411B-222N-LF | 2.2±30% | 300 | 350 | 0.45 | 500 | 100KHz/20mV |
| CMT1411B-332N-LF | 3.3±30% | 370 | 350 | 0.50 | 500 | 100KHz/20mV |
| CMT1411B-472N-LF | 4.7±30% | 600 | 350 | 0.40 | 500 | 100KHz/20mV |
| CMT1411B-682N-LF | 6.8±30% | 510 | 350 | 0.55 | 500 | 100KHz/20mV |
| CMT1411B-103N-LF | 10±30% | 620 | 350 | 0.65 | 500 | 100KHz/20mV |
| CMT1411B-123N-LF | 12±30% | 680 | 300 | 0.70 | 500 | 100KHz/20mV |
| CMT1411B-153N-LF | 15±30% | 720 | 300 | 0.55 | 500 | 100KHz/20mV |
| CMT1411B-223N-LF | 22±30% | 920 | 300 | 0.85 | 500 | 100KHz/20mV |
| CMT1411B-283N-LF | 28±30% | 1020 | 300 | 0.95 | 500 | 100KHz/20mV |
| CMT1411B-333N-LF | 33±30% | 1120 | 300 | 1.90 | 500 | 100KHz/20mV |
| CMT1411B-503N-LF | 50±30% | 1800 | 300 | 1.35 | 500 | 100KHz/20mV |
| CMT1411B-703N-LF | 70±30% | 2100 | 300 | 2.50 | 500 | 100KHz/20mV |

- Inductance is measured with a LCR meter 4284A or equivalent.
- Nominal voltage : 42V AC (50/60Hz) , 80V DC
- Operating temperature range -25°C to +85°C
- Electrical specifications at 25°C