



Common Mode Choke ~ CMT2010B SERIES



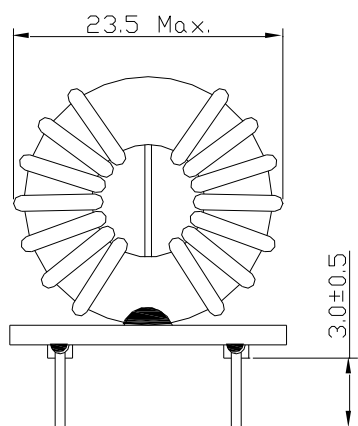
PART NUMBERING SYSTEM

| | | | | | |
|------------|--------------|---|-------------|---|-----------|
| CMT | 2010B | — | 102N | — | LF |
| TYPE | DIMENSIONS | | IMPEDANCE | | LEAD FREE |

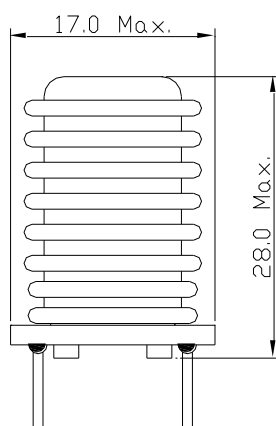
SHAPES AND DIMENSIONS

UNIT : mm

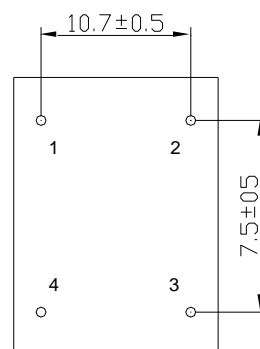
FRONT VIEW



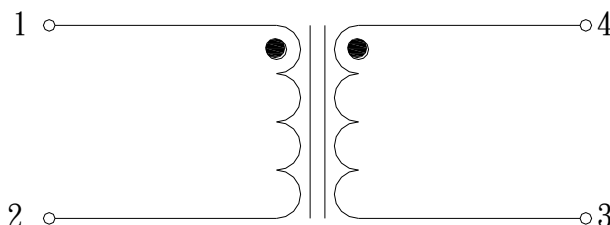
SIDE VIEW



BOTTOM VIEW



SCHEMATIC DRAWING



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FEATURES

- Highest common mode **impedance** over the **widest frequency range**.
- **1250 Vrms**, one minute isolation between windings.
- Inductance values up to **20 mH**; current ratings as high as **6 Amps**.
- **RoHS-compliant**. Tin-silver over copper terminations.

SPECIFICATION TABLE

| PART NUMBER | INDUCTANCE (mH) | DCR (mΩ) (max) | IDC (A) (max) | NOMINAL VOLTAGE VAC | TEST FREQ. (f) |
|------------------|-----------------|----------------|-----------------|---------------------|------------------|
| CMT2010B-102N-LF | 1.0±30% | 10 | 6.0 | 250 | 10KHz |
| CMT2010B-222N-LF | 2.2±30% | 30 | 4.0 | 250 | 10KHz |
| CMT2010B-332N-LF | 3.3±30% | 60 | 2.5 | 250 | 10KHz |
| CMT2010B-502N-LF | 5.0±30% | 95 | 2.5 | 250 | 10KHz |
| CMT2010B-103N-LF | 10.0±30% | 125 | 2.0 | 250 | 10KHz |
| CMT2010B-203N-LF | 20.0±30% | 270 | 1.5 | 250 | 10KHz |

- Inductance is measured with a LCR meter 4284A or equivalent.
- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C