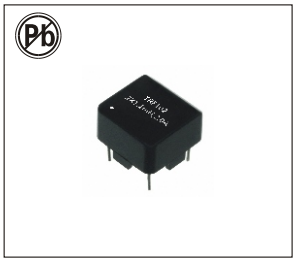
# COMMON MODE POWER LINE CHOKE

# TRF102 SERIES



## FEATURES:

- High resonance frequency due to special winding technique
- Approx. 0.7% stray inductance for symmetrical interference suppression
- Suitable for wave soldering
- Design complies with EN 60938-2 (VDE 0565-2) and UL 1283
- RoHS-compatible

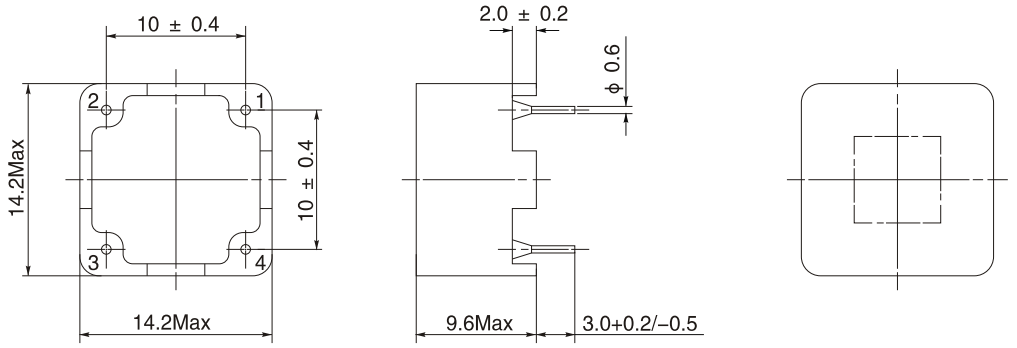
## APPLICATIONS:

- Suppression of common-mode interferences
- Switch-mode power applications
- Electronic ballasts in lamps

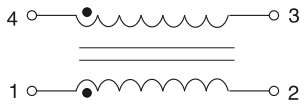
## ELECTRICAL CHARACTERISTICS:

| Part Number | L(mH) +50%/-30% | Lk(uH) Typ | Rated Current (A) | RDC(mΩ) Max |
|---|---|---|---|---|
| TRF102-112Y | 1.1 | 6 | 2.0 | 65 |
| TRF102-162Y | 1.6 | 10 | 1.5 | 110 |
| TRF102-302Y | 3.0 | 20 | 1.0 | 220 |
| TRF102-442Y | 4.4 | 30 | 0.6 | 400 |
| TRF102-123Y | 12 | 80 | 0.3 | 1100 |
| TRF102-223Y | 22 | 130 | 0.3 | 1500 |

## PHYSICAL CHARACTERISTICS:




**Winding**




Notes:

Rated voltage.....250Vac

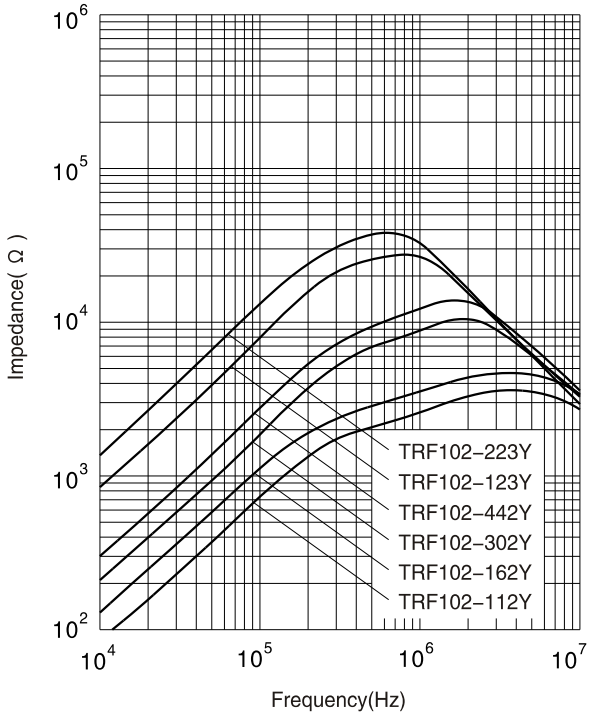
Frequency.....50/60Hz

Insulation test voltage..... 1500V

Operating temperature.....-25 ℃ to +125 ℃

Housing..... UL94 V-0

Impedance |Z| versus frequency F
measured with windings in parallel at +20℃
typical values




Current derating Iop/IR
versus ambient temperature TA

