# COMMON MODE POWER LINE CHOKE

# TRF142A SERIES



## FEATURES:

- Easy assembly due to 4 pole housing
- Compact, small size
- 4 soldering pins for perfect mechanical decoupling
- Toroidal core choke with sector winding
- High interference suppression for common mode interferences in low and middle frequency ranges
- Low stray field

## APPLICATIONS:

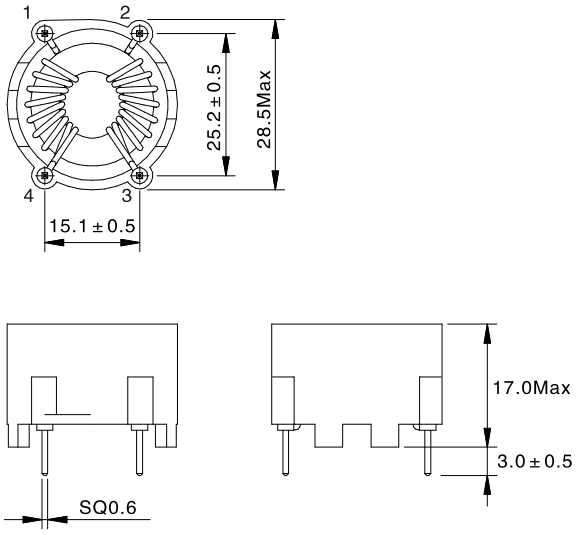
- Power electronics
- SMPS
- Power line filter
- Suppression for common mode noise

## ELECTRICAL CHARACTERISTICS:

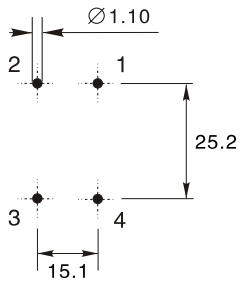
| Part Number | L (mH) | Tolerance (%) | Rated Current (A) | RDC max. (Ω) |
|---|---|---|---|---|
| TRF142A-182N | 1.8 | ±30 | 6.0 | 0.03 |
| TRF142A-332N | 3.3 | | 4.0 | 0.065 |
| TRF142A-103NC | 10.0 | | 3.0 | 0.155 |
| TRF142A-273N | 27.0 | | 1.2 | 0.40 |

## PHYSICAL CHARACTERISTICS:

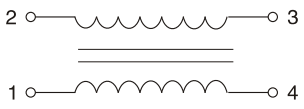
**Dimensions 1**




**Hole pattern(in mm)**




**Winding**




Notes:

Rated voltage.....250Vac

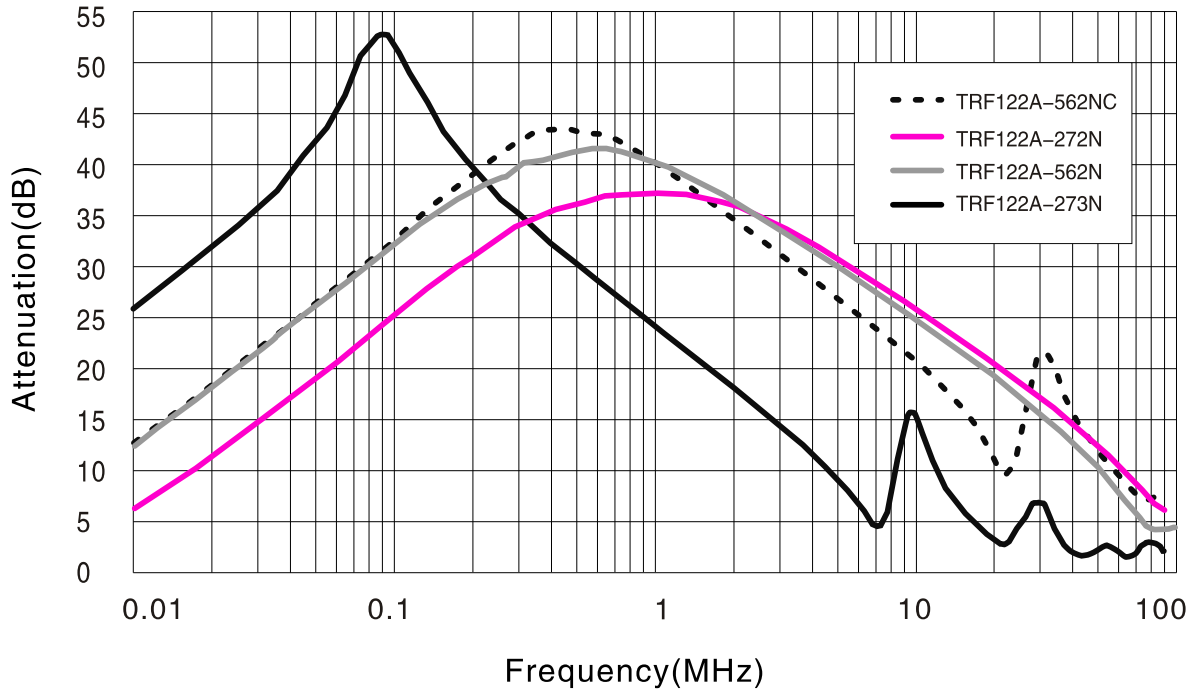
Frequency.....50/60Hz

Insulation test voltage..... 1500V

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

Housing..... UL94 V-0

## ATTENUATION COMMON MODE




## ATTENUATION DIFFERENTIAL MODE

