TOROIDAL COMMON MODE CHOKES

TRF19VT/HT SERIES

FEATURES:

- Nanocrystalline metal core
- Ultra-high inductance
- Ultra-high permeability
- UL 94 V-0 flame retardant rated base and cap
- AEC-Q200 qualifed

APPLICATIONS:

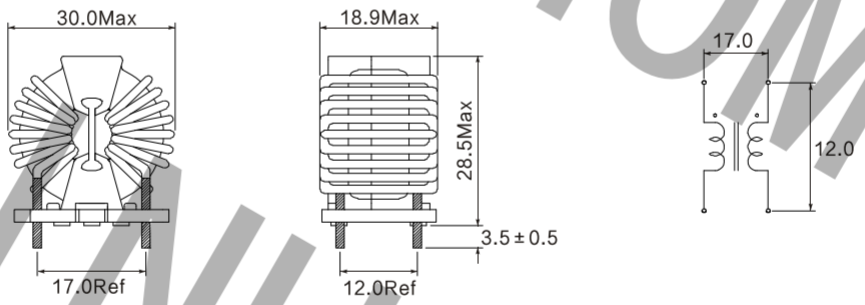
- On board charger for EV/PHEV
- Wireless charging systems with 85 kHz
- Medium power drives for steering, air conditioning and mild hybrid 48V systems
- High voltage automotive and harsh environment industrial EMI filtering

ELECTRICAL CHARACTERISTICS:

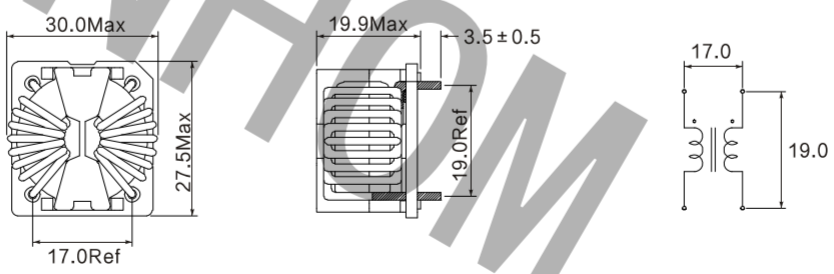
Part Number	Inductance (mH) 50%/-30%	Rated Current (A)	DCR each winding (mΩ ± 13%)	Temp. rise (℃) Max	Wire diameter (mm)
Vertical type					
TRF19VT-152Y-8A	1.5	8	8.7	55	1.0
TRF19VT-102Y-10A	1.0	10	6.03	45	1.1
TRF19VT-601Y-12A	0.6	12	3.99	50	1.2
TRF19VT-441Y-15A	0.44	15	2.91	50	1.3
TRF19VT-301Y-19A	0.3	19	1.89	50	1.5
TRF19VT-201Y-22A	0.2	22	1.38	50	1.6
TRF19VT-111Y-30A	0.11	30	0.747	55	1.9
Horizontal type					
TRF19HT-152Y-8A	1.5	8	8.98	55	1.0
TRF19HT-102Y-10A	1.0	10	6.23	45	1.1
TRF19HT-601Y-12A	0.6	12	4.19	50	1.2
TRF19HT-441Y-15A	0.44	15	3.01	50	1.3
TRF19HT-301Y-19A	0.3	19	1.95	50	1.5
TRF19HT-201Y-22A	0.2	22	1.43	50	1.6
TRF19HT-111Y-30A	0.11	30	0.767	55	1.9

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Vertical type



Horizontal type



- Inductance Testing: 100KHz 0.1V
- High rated voltage up to 1,000 VAC/DC
- Operating temperature range from -40℃ to +150℃(Including temperature rise)
- Hi-Pot: 2400Vac, 2S
- Insulation Resistance: 100MΩ Min,1000Vdc

Note:All specifications subject to change without notice.

SHINHOM