

EMC Components

TF Series

Common Mode Choke Coils(Line Filters) for AC Power Supply Toroidal Core Type

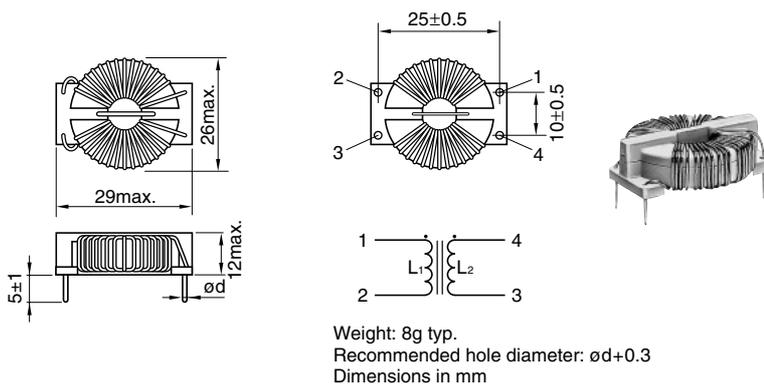
HORIZONTAL TYPE

TF SERIES

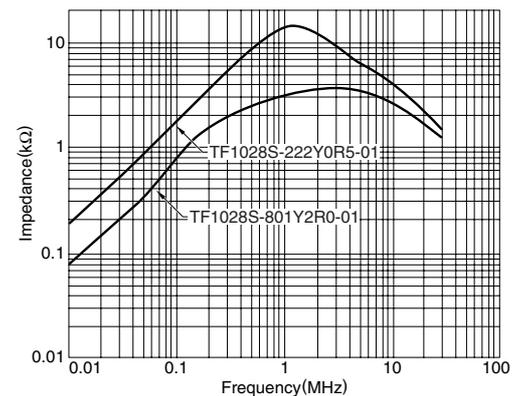
FEATURES

- This series uses a high permeability toroidal ferrite core and therefore provides large inductance with a small number of windings.
- This filter provides the required inductance with a smaller number of windings. Therefore its stray capacity is small and it maintains the impedance required to effectively suppress high frequency noises.
- The windings are made on top of a two-section insulation cover, giving excellent withstand voltage.
- Products mounted on a base with fixed leads are easy to insert to circuit boards.

TF1028S(HORIZONTAL TYPE WITH TERMINAL BASE) TYPE SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM



TYPICAL ELECTRICAL CHARACTERISTICS IMPEDANCE vs. FREQUENCY CHARACTERISTICS



ELECTRICAL CHARACTERISTICS

| Part No. | Inductance (mH)min. | L1-L2 inductance difference (μ H)max. | DC resistance (Ω)max. | Rated current Iac (A)max. | Dimensions(mm) |
|--------------------|------------------------|--------------------------------------------------|--------------------------------------|---------------------------------|----------------|
| | | | | | ϕd |
| TF1028S-222Y0R5-01 | 2.2 | 50 | 0.2 | 0.5 | 0.4 |
| TF1028S-162Y1R3-01 | 1.6 | 50 | 0.2 | 1.3 | 0.4 |
| TF1028S-102Y1R5-01 | 1 | 50 | 0.1 | 1.5 | 0.45 |
| TF1028S-801Y2R0-01 | 0.8 | 50 | 0.1 | 2 | 0.5 |
| TF1028S-451Y3R0-01 | 0.45 | 50 | 0.06 | 3 | 0.6 |