

EMC Components

MEM-T Series MEM2012T Type

3-Terminal Filters for Signal Line and DC Power Line SMD

FEATURES

- Multilayer chip EMC filter utilizing a T-type circuit.
- Entirely monolithic structure results in high reliability.
- Due to closed magnetic circuit architecture, high-density installation becomes possible, and crosstalk generation is prevented.
- Steep attenuation characteristic plot. Highly effective noise suppression.
- Covers a wide range of frequencies.
- MEM2012T is a coil type EMC filter.
- This product is low profile type with the height of 0.85mm.

TEMPERATURE RANGE

Operating -40 to $+85^{\circ}\text{C}$

APPLICATIONS

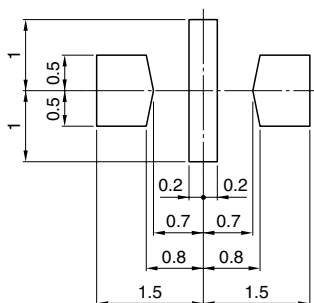
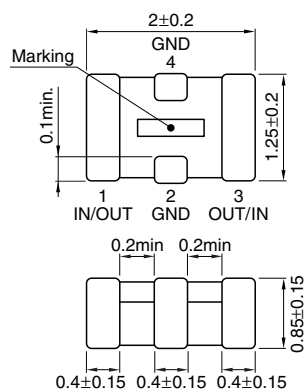
Computer and computer peripherals, VCRs, TVs, car audio equipment, printers, game machines, etc.

PRODUCT IDENTIFICATION

MEM 2012 T 25R0 T
(1) (2) (3) (4) (5)

- (1) Series name
(2) Dimensions L×W
(3) T-type circuit
(4) Cutoff frequency 25R0: 25MHz
(5) Packaging style T: Taping

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



Dimensions in mm

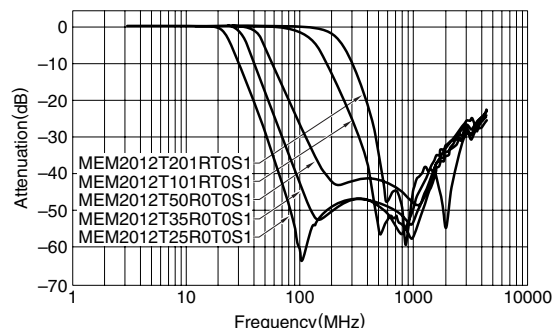


ELECTRICAL CHARACTERISTICS

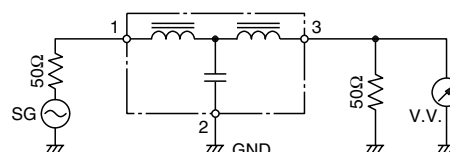
Part No.	Cutoff frequency (MHz)	Insertion loss (dB)min.	Rated voltage Edc(V)max.	Rated current (mA)max.	DC resistance (Ω)max.
MEM2012T25R0T0S1	25	30[70MHz to 2GHz]	10	100	1.0
MEM2012T35R0T0S1	35	30[90MHz to 2GHz]	10	100	1.0
MEM2012T50R0T0S1	50	30[200MHz to 2GHz]	10	100	0.8
MEM2012T101RT0S1	100	30[400MHz to 2GHz]	10	250	2.0
MEM2012T201RT0S1	200	30[530MHz to 2.5GHz]	10	250	1.4

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEASURING CIRCUIT



PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel