

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°C
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APPLICATIONS

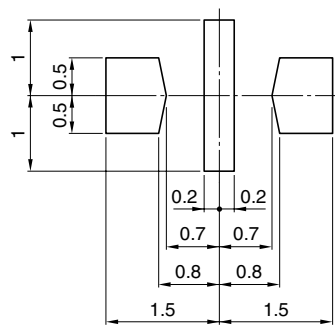
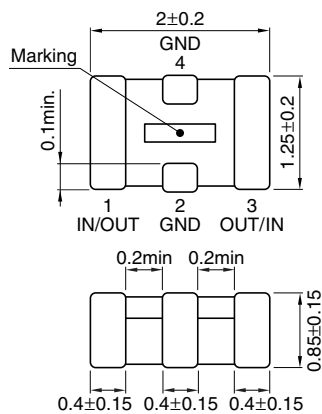
Computer and computer peripherals, VCRs, TVs, car audio equipment, printers, game machines, etc.

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

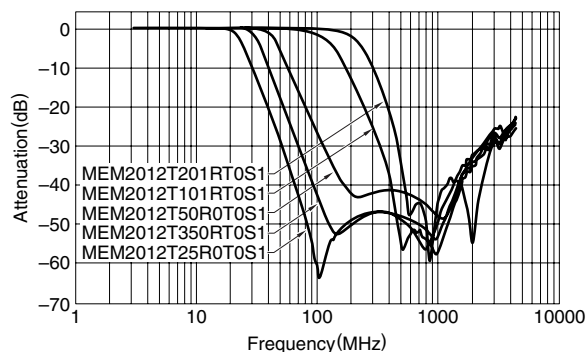


ELECTRICAL CHARACTERISTICS

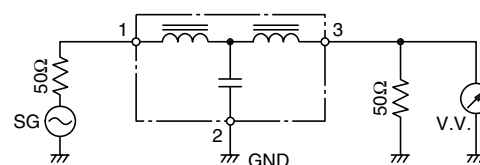
Part No.	Cutoff frequency (MHz)	Insertion loss (dB) min.	Rated voltage Edc(V) max.	Rated current (mA) max.	DC resistance (Ω) max.
MEM2012T25R0T0S1	25	30[70MHz to 2GHz]	10	100	1.0
MEM2012T35R0T0S1	35	30[90MHz to 2GHz]	10	100	1.0
MEM2012T50R0T0S1	50	30[200MHz to 2GHz]	10	100	0.8
MEM2012T101RT0S1	100	30[400MHz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