

3-terminal Filters(SMD) For Signal Line

Conformity to RoHS Directive

MEM Series MEM2012T-S1 Type

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.

APPLICATIONS

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

TEMPERATURE RANGES

Operating/Storage -40 to +85°C

PRODUCT IDENTIFICATION

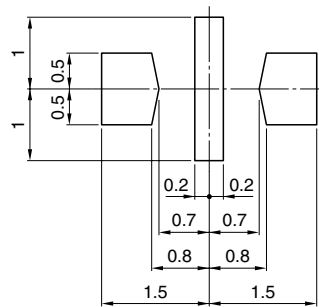
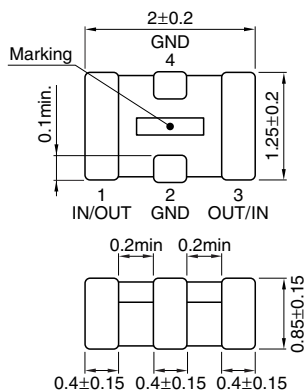
MEM	2012	T	25R0	T
(1)	(2)	(3)	(4)	(5)

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

PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



Dimensions in mm



ELECTRICAL CHARACTERISTICS

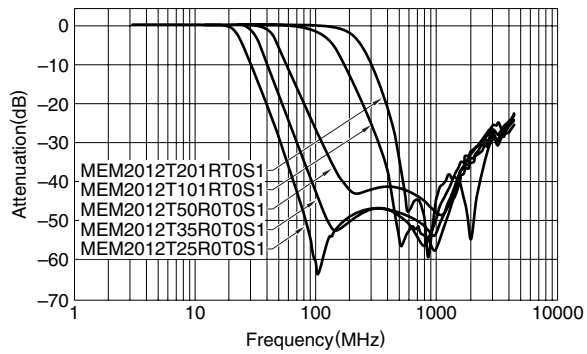
Part No.	Cutoff frequency (MHz)	Insertion loss (dB)min.	Rated voltage Edc(V)max.	Rated current (mA)max.
MEM2012T25R0T0S1	25	30[70MHz to 2GHz]	10	100
MEM2012T35R0T0S1	35	30[90MHz to 2GHz]	10	100
MEM2012T50R0T0S1	50	30[200MHz to 2GHz]	10	100
MEM2012T101RT0S1	100	30[400MHz to 2GHz]	10	250
MEM2012T201RT0S1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

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application are considered the following:
 The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

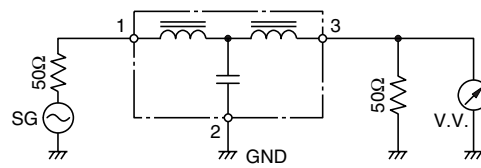
- All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEASURING CIRCUIT



RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING

