



**THE DATASHEET OF
MEM2012T101RT0S1**



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
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PRODUCT IDENTIFICATION

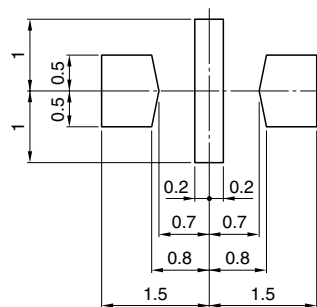
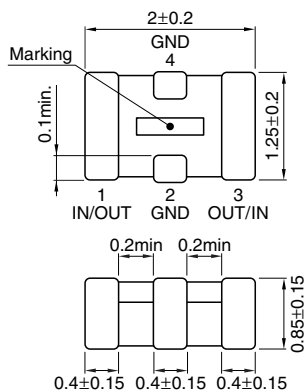
MEM	2012	T	25R0	T
(1)	(2)	(3)	(4)	(5)

- (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

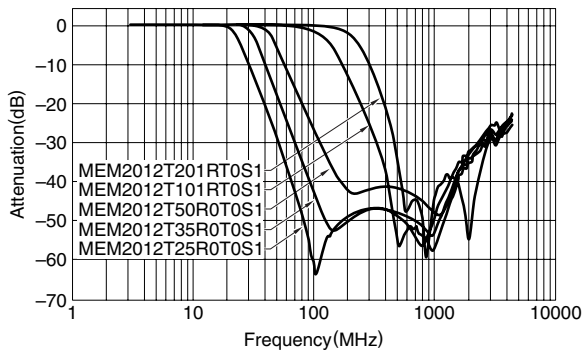
Part No.	Cutoff frequency (MHz)	Insertion loss (dB)min.	Rated voltage Edc(V)max.	Rated current (mA)max.
MEM2012T25R0T0S1	25	30[70MHz to 2GHz]	10	100
MEM2012T35R0T0S1	35	30[90MHz to 2GHz]	10	100
MEM2012T50R0T0S1	50	30[200MHz to 2GHz]	10	100
MEM2012T101RT0S1	100	30[400MHz to 2GHz]	10	250
MEM2012T201RT0S1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

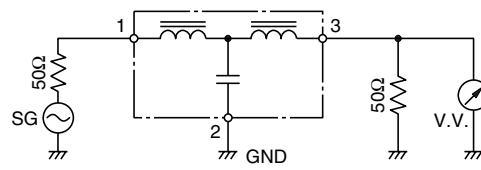
- Please contact our Sales office when your application are considered the following:
 The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

- All specifications are subject to change without notice.

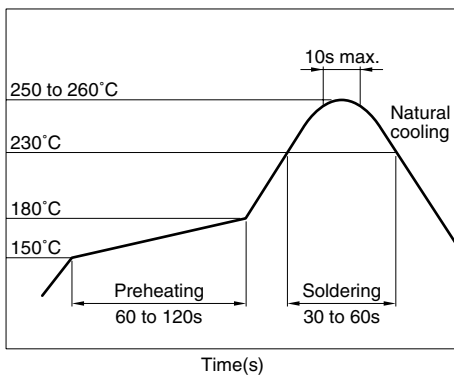
TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEASURING CIRCUIT



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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- ⊖ [TDK Corporation Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management