



**THE DATASHEET OF
MEM2012TC101T001**



3-terminal Filters(SMD) For Wide-band

Conformity to RoHS Directive

MEM Series MEM2012TC 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.
- MEM2012TC combines a bead inductor with a through-type capacitor.

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

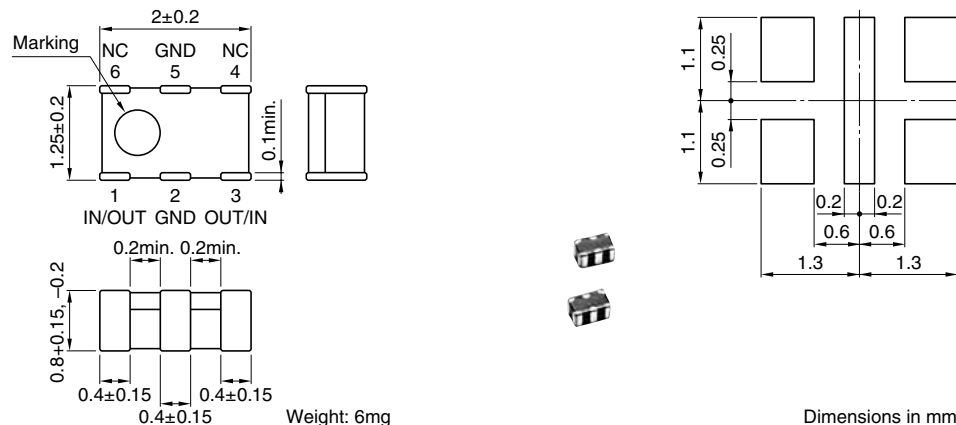
MEM	2012	T	C100	T
(1)	(2)	(3)	(4)	(5)

- (1)Series name
 (2)Dimensions L×W
 (3)T-type circuit
 (4)Capacitance C100:10pF at 1MHz
 (5)Packaging style T:Taping

PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

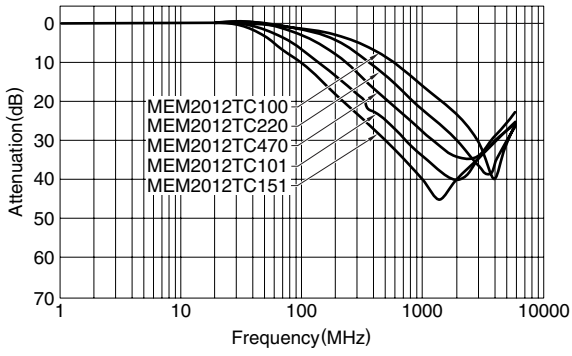
Part No.	Capacitance* (pF)	Tolerance (%)	Rated voltage Edc(V)max.	Rated current Idc(A)max.	DC resistance (Ω) max. [Terminal No.1 to 3]
MEM2012TC100	10	±30	12	1	0.12
MEM2012TC220	22	±30	12	1	0.12
MEM2012TC470	47	±30	12	1	0.12
MEM2012TC101	100	±30	12	1	0.12
MEM2012TC151	150	±30	12	1	0.12

*Measuring frequency: 1(MHz), measuring voltage: 1(V)

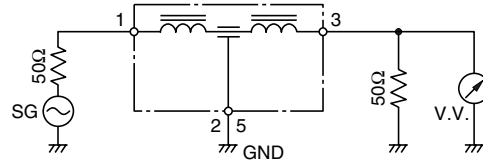
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application 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.

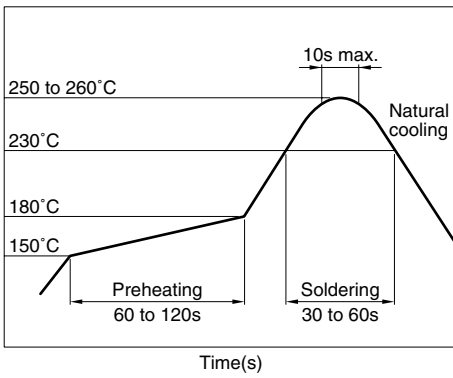
TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



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