3-terminal Filters(SMD) **For Signal Line**

Conformity to RoHS Directive

002-03 / 20061022 / e9616_mem_t

*****<u>⊗</u>TDK*

MEM Series MEM2012T 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.

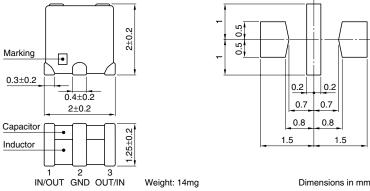
APPLICATIONS

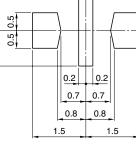
Computer and computer peripherals, VCRs, TVs, car audio equipment, printers, game machines, etc.

TEMPERATURE RANGES

Operating/Storage -40 to +85°C

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN





ELECTRICAL CHARACTERISTICS

Part No.	Cutoff frequency (MHz)	Insertion loss (dB)min.	Rated voltage Edc(V)max.	Rated current (mA)max.
MEM2012T10R0	10	20[40 to 900MHz]	10	100
MEM2012T25R0	25	20[80MHz to 1GHz]	10	150
MEM2012T50R0	50	20[150MHz to 1.2GHz]	10	150
MEM2012T75R0	75	20[300MHz to 1.7GHz]	10	250
MEM2012T101R	100	20[400MHz to 1.7GHz]	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.

Downloaded from Elcodis.com electronic components distributor

PRODUCT IDENTIFICATION

MEM	2012	Т	10R0	Т
(1)	(2)	(3)	(4)	(5)

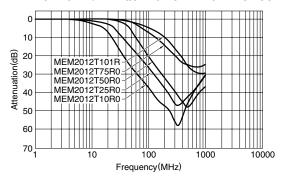
(1)Series name (2)Dimensions L×W (3)T-type circuit (4)Cutoff freguency 10R0:10MHz (5) Packaging style T: Taping

PACKAGING STYLE AND QUANTITIES

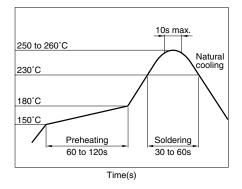
Packaging style	Quantity
Taping	1000 pieces/reel

&TDK

TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



MEASURING CIRCUIT

