

3-terminal Filters(SMD) For Wide-band

Conformity to RoHS Directive

MEM Series MEM1608P Type

FEATURES

- Multilayer chip EMC filter utilizing a π -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.
- MEM1608P is a coil type EMC filter.
- This product is low profile type with the height of 0.6mm.

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

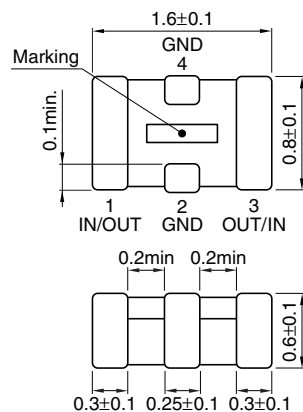
MEM	1608	P	25R0	T
(1)	(2)	(3)	(4)	(5)

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

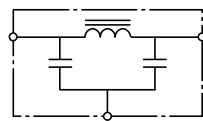
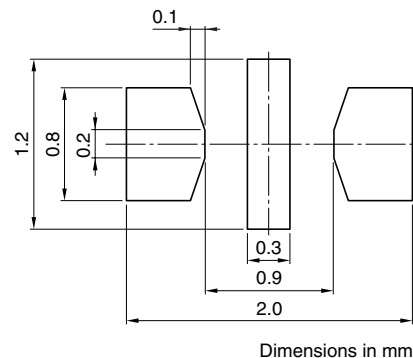
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN



Dimensions in mm



Dimensions in mm



ELECTRICAL CHARACTERISTICS

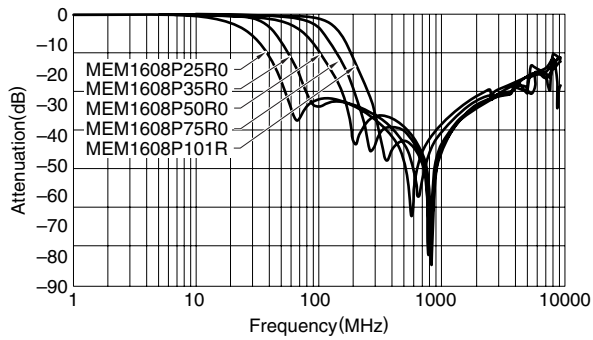
Part No.	Cutoff frequency (MHz)	Insertion loss (dB)min.	Rated voltage Edc(V)max.	Rated current (mA)max.
MEM1608P25R0	25	20[70MHz to 2GHz]	10	100
MEM1608P35R0	35	20[90MHz to 2GHz]	10	100
MEM1608P50R0	50	20[200MHz to 2GHz]	10	100
MEM1608P75R0	75	20[300MHz to 2GHz]	10	100
MEM1608P101R	100	20[400MHz to 2GHz]	10	100

- 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.)

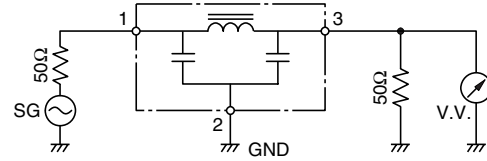
- All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEASURING CIRCUIT



RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING

