

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 |
|-------------------|--------------|

PRODUCT IDENTIFICATION

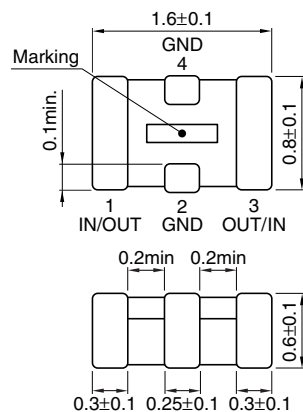
| | | | | |
|-----|------|-----|------|-----|
| MEM | 1608 | P | 25R0 | T |
| (1) | (2) | (3) | (4) | (5) |

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

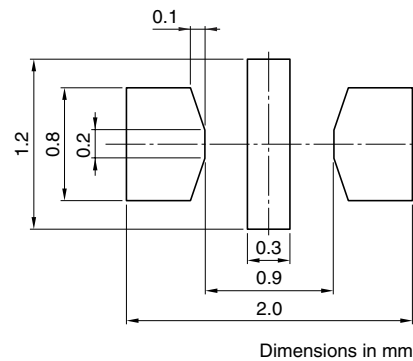
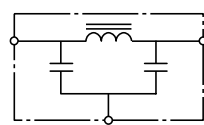
PACKAGING STYLE AND QUANTITIES

| Packaging style | Quantity |
|-----------------|------------------|
| Taping | 4000 pieces/reel |

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN



Dimensions in mm



Dimensions in mm



ELECTRICAL CHARACTERISTICS

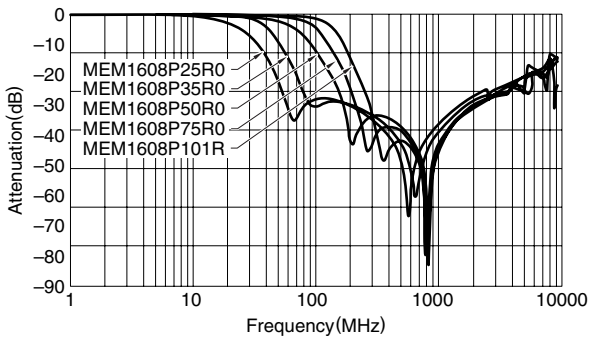
| Part No. | Cutoff frequency (MHz) | Insertion loss (dB)min. | Rated voltage Edc(V)max. | Rated current (mA)max. |
|--------------|------------------------|-------------------------|--------------------------|------------------------|
| MEM1608P25R0 | 25 | 20[70MHz to 2GHz] | 10 | 100 |
| MEM1608P35R0 | 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.

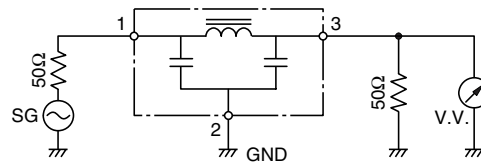
- Please contact our Sales office when your application are considered the following:
The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

- All specifications are subject to change without notice.

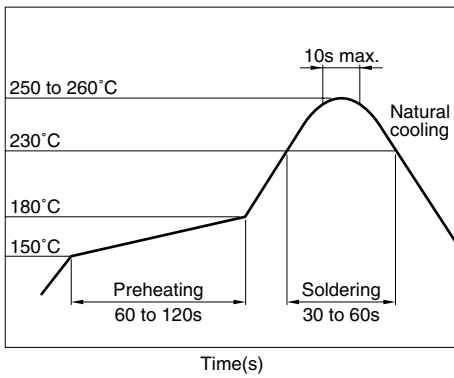
TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEASURING CIRCUIT



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



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