

3-terminal Filters(SMD) For Wide-band

Conformity to RoHS Directive

MEM Series MEM2012W Type

These SMD Type 3-terminal filters are used for elimination of high frequency noise from signal lines. Due to a higher cutoff frequency than earlier SMD type 3-terminal filters and steep attenuation characteristics, these filters are effective for elimination of a high level of high frequency noise.

FEATURES

- Steeper and wider bandwidth attenuation characteristics than earlier type.
- Used for high cutoff frequency applications.
- Small size (2.0×1.25×2.0mm).
- Entirely monolithic architecture.
- Taped-type packaging, so can be used for automatic mounting.

APPLICATIONS

Signal line noise elimination for PCs, liquid crystal panels, printers, game machines, cellular phones, DVCs, etc.

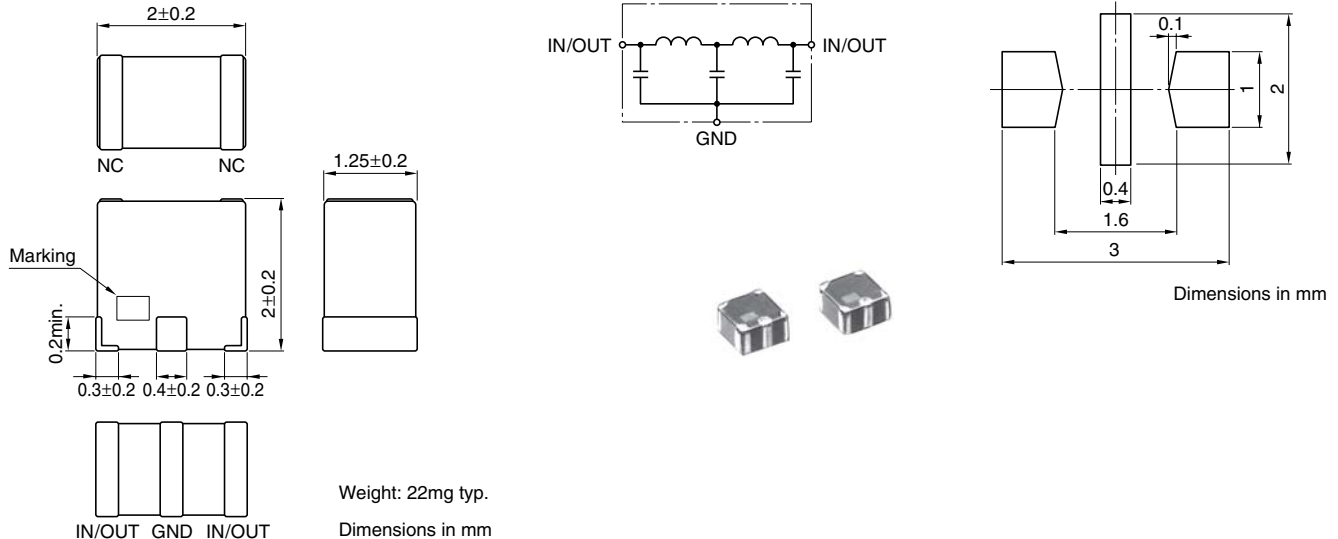
TEMPERATURE RANGES

| | |
|-------------------|--------------|
| Operating/Storage | -40 to +85°C |
|-------------------|--------------|

PACKAGING STYLE AND QUANTITIES

| Packaging style | Quantity |
|-----------------|------------------|
| Taping | 1000 pieces/reel |

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

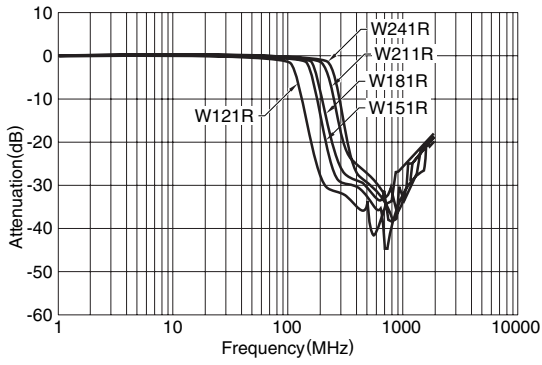
| Part No. | Cutoff frequency (MHz) | Rated voltage Edc(V)max. | Rated current (mA)max. |
|--------------|------------------------|--------------------------|------------------------|
| MEM2012W121R | 120 | 10 | 100 |
| MEM2012W151R | 150 | 10 | 100 |
| MEM2012W181R | 180 | 10 | 100 |
| MEM2012W211R | 210 | 10 | 100 |
| MEM2012W241R | 240 | 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 ($Z_0:50\Omega$)



RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING

