

# 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.

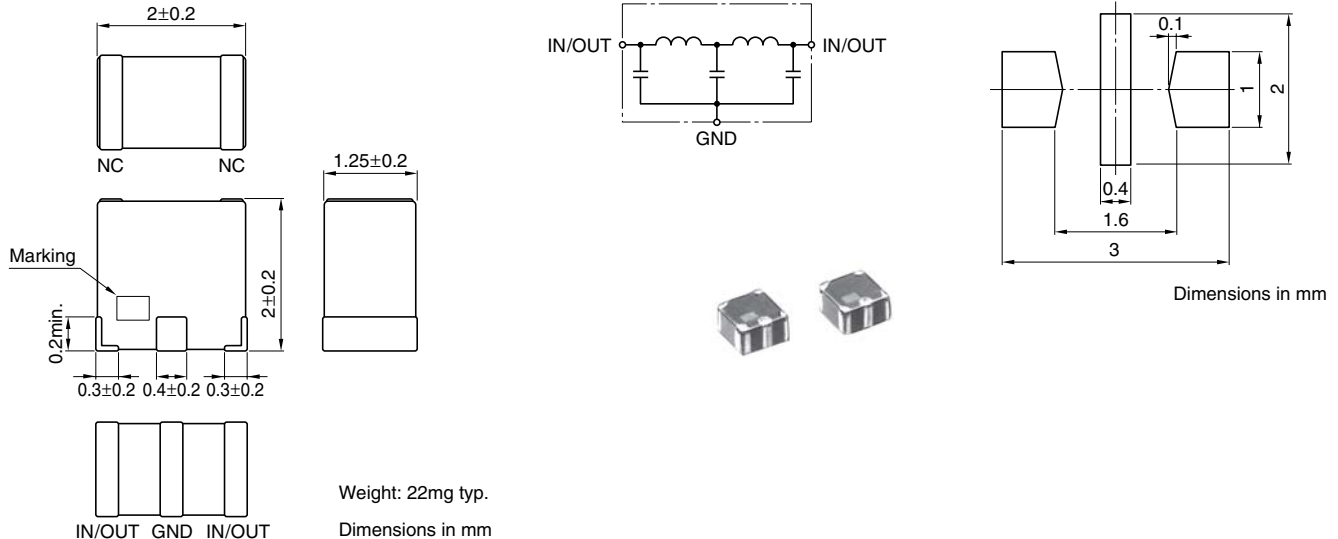
### TEMPERATURE RANGES

Operating/Storage	-40 to +85°C
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### 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

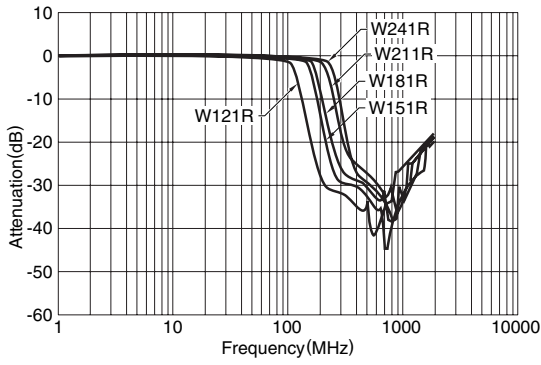
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• 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.

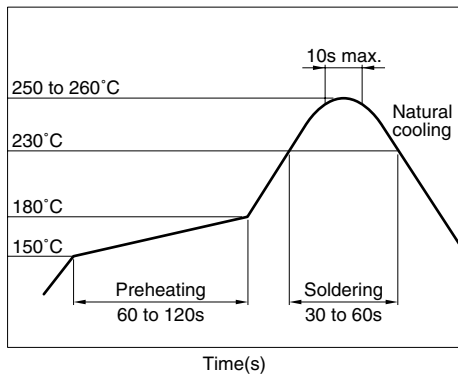
### TYPICAL ELECTRICAL CHARACTERISTICS

#### ATTENUATION vs. FREQUENCY CHARACTERISTICS ( $Z_0:50\Omega$ )



### RECOMMENDED SOLDERING CONDITION

#### REFLOW SOLDERING



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