

Excellent Integrated System Limited

Stocking Distributor

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[TDK Corporation](#)
[MEM2012D201R](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

3-terminal Filters(SMD) For Signal Line

Conformity to RoHS Directive

MEM Series MEM2012D Type

This chip type EMC filter eliminates the noise component from a communication line. This noise component can be eliminated by inserting this products in series with the communication line. In comparison to earlier multilayer chip EMC filters, signal waveform distortion is low after the signal has passed through the filter. Therefore this filter can be used for high speed pulse signal circuits and wide band analog RGB circuits.

FEATURES

- Small size (L2×W1.25×T0.85mm).
- Steep attenuation characteristic.
- Low distortion of signal after passing through filter.
- SMD product that can use taped packaging for automatic mounting.
- Capable of reflow soldering.

TEMPERATURE RANGES

Operating/Storage -40 to +85°C

APPLICATIONS

Single line noise elimination for PCs, CRTs, LC display panels, printers, game machines, DVD equipment, etc.

PRODUCT IDENTIFICATION

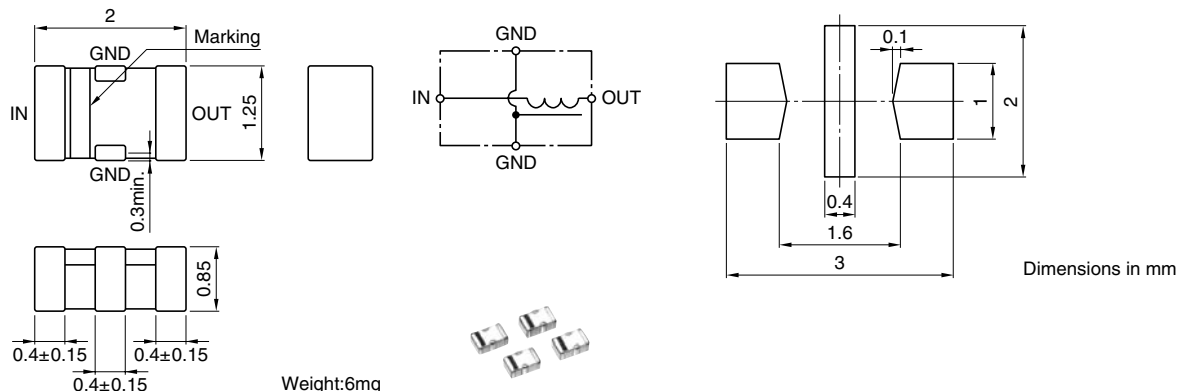
MEM 2012 D 201R X
 (1) (2) (3) (4) (5)

- (1) Series name
- (2) Dimensions LxW
- (3) Material code
- (4) Cutoff frequency 201R:200MHz
- (5) TDK internal code

PACKAGING STYLE AND QUANTITIES

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

SHAPES AND DIMENSIONS/CURCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN

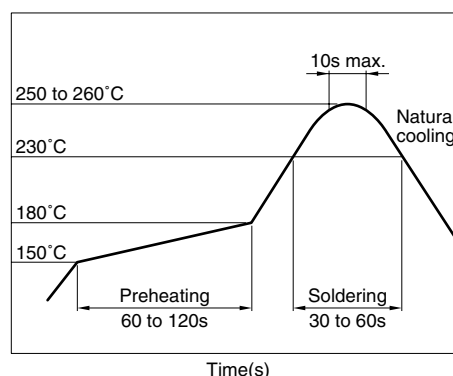


ELECTRICAL CHARACTERISTICS

| Part No. | Rated voltage E _{dc} (V) | Rated current I _{dc} (mA) | Cutoff frequency (MHz)typ. | Attenuation (GHz)typ. [20dB min.] |
|--------------|-----------------------------------|------------------------------------|----------------------------|-----------------------------------|
| MEM2012D201R | 25 | 200 | 200 | 0.8 to 2 |
| MEM2012D301R | 25 | 200 | 300 | 0.9 to 2 |
| MEM2012D401R | 25 | 200 | 400 | 1 to 2 |
| MEM2012D501R | 25 | 200 | 500 | 1.1 to 2 |

RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING



- 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.)

TYPICAL ELECTRICAL CHARACTERISTICS
ATTENUATION vs. FREQUENCY CHARACTERISTICS

