

EMC Components

MEM-D Series MEM2012D Type

3-Terminal Filters For Signal Line and DC Power Line SMD

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 RANGE

Operating -40 to +85°C

APPLICATIONS

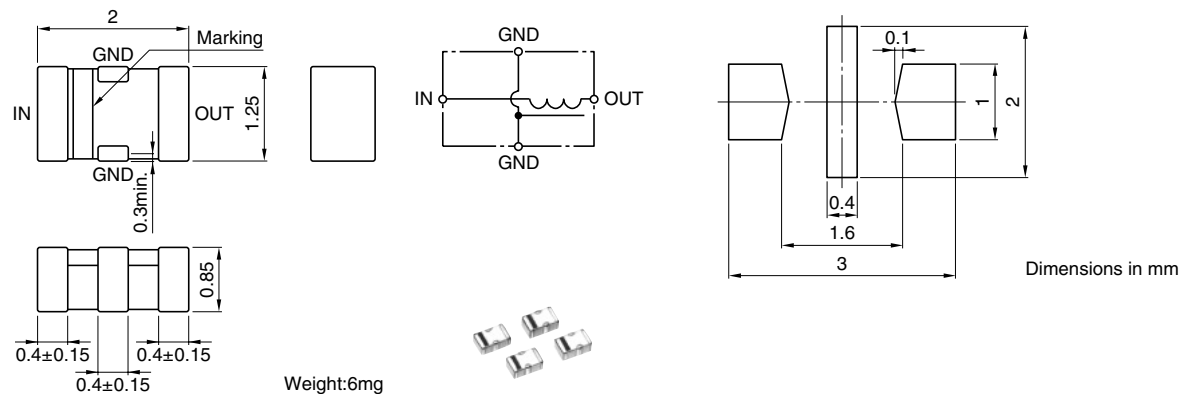
Single line noise elimination for PCs, CRTs, LC display panels, printers, game machines, DVD equipment, etc.

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

SHAPES AND DIMENSIONS/CURCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN

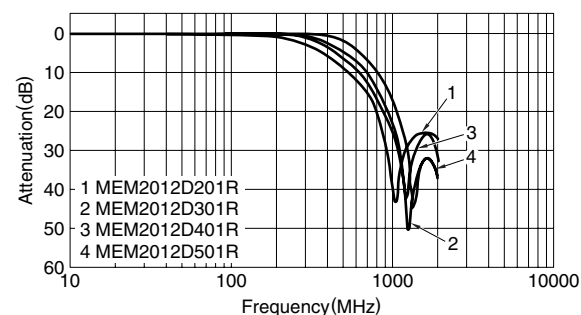


ELECTRICAL CHARACTERISTICS

Part No.	Rated voltage Edc (V)	Rated current Idc (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

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces / reel