

EMC Components

MEA Series MEA3216L Type

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

FEATURES

- Own unique 4-line multilayer L-type 3-terminal filter array.
- Tape packaging allows use by automatic assembly equipment.
- Entirely monolithic structure is almost unaffected by crosstalk.

APPLICATIONS

RGB and signal lines of data terminals, computing and communications devices, color liquid crystal displays, printers, DVDs, electronic games, portable audio-visual equipment, etc.

TEMPERATURE RANGE

Operating -40 to $+85^{\circ}\text{C}$

PRODUCT IDENTIFICATION

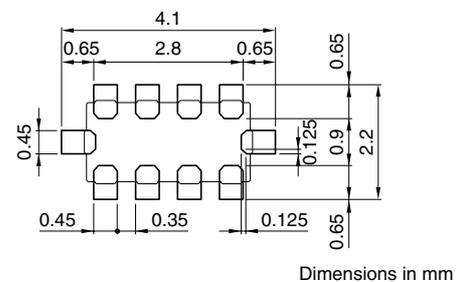
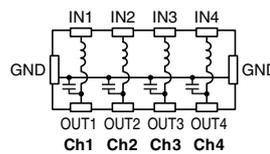
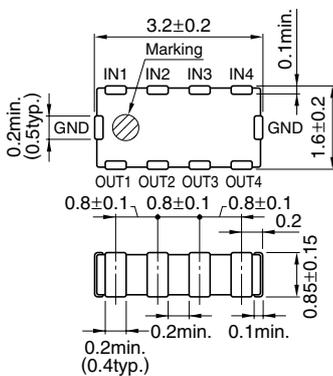
MEA	3216	L	50R0	T
(1)	(2)	(3)	(4)	(5)

- (1) Series name (4) Cutoff frequency (MHz)
 (2) Dimensions L×W 50R0:fc=50MHz
 (3) L type circuit (5) Packaging style T:Taping

PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	2000 pieces/reel

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN



Dimensions in mm

Weight: 26mg

Dimensions in mm

ELECTRICAL CHARACTERISTICS

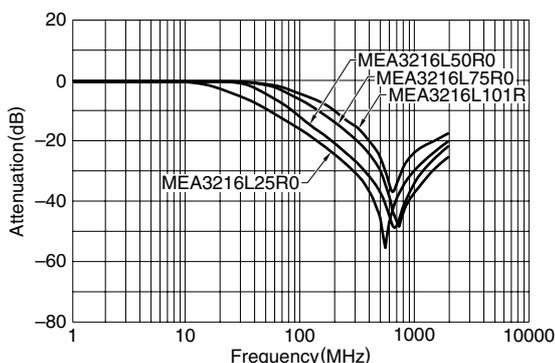
Part No.	Cutoff frequency (MHz)typ.	Attenuation 20dB frequency range (MHz)	Rated voltage (V)max.	Rated current (mA)max.
MEA3216L25R0	25	300 to 1000	10	100
MEA3216L50R0	50	500 to 1000	10	100
MEA3216L75R0	75	500 to 800	10	100
MEA3216L101R	100	500 to 600	10	100

• TEST EQUIPMENT

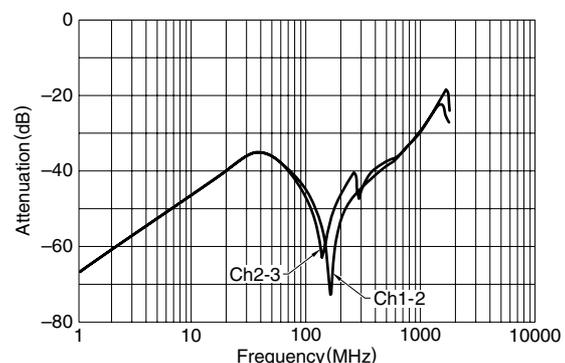
- HP-8753B NETWORK ANALYZER, or equivalent
 HP-85046A S-PARAMETER TEST SET, or equivalent

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEA3216L50R0: Crosstalk(50Ω System)

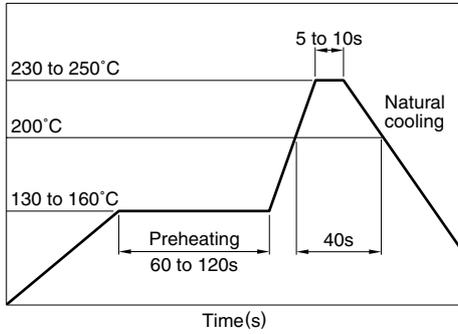


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RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



TYPICAL APPLICATIONS



Multilayer chip bead

- MPZ2012 Large current type for power line
- MMZ1608 Large current type for signal line

EMC of RGB signal lines of TFT color liquid crystal displays

