

## EMC Components

## MEA Series MEA3216L Type

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

#### 4-LINE, LOW PROFILE TYPE

##### 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.

##### 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

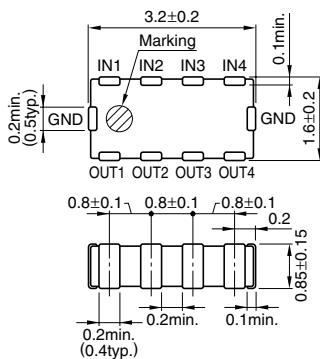
##### TEMPERATURE RANGE

Operating	-40 to +85°C
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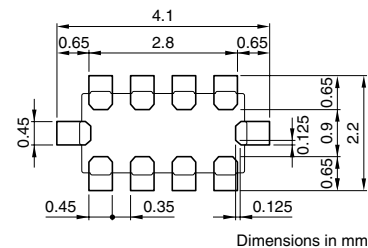
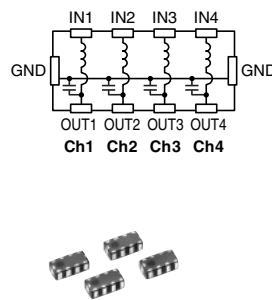
##### PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	2000 pieces/reel

#### SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN



Weight: 26mg  
Dimensions in mm



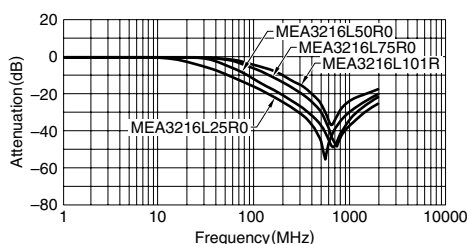
#### ELECTRICAL CHARACTERISTICS

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

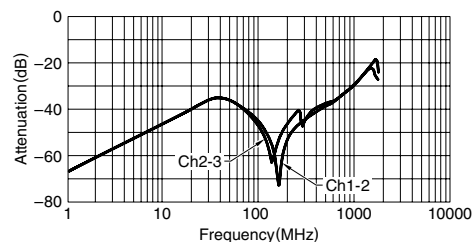
- TEST EQUIPMENT  
HP-8753B NETWORK ANALYZER, or equivalent  
HP-85046A S-PARAMETER TEST SET, or equivalent

#### TYPICAL ELECTRICAL CHARACTERISTICS

##### ATTENUATION vs. FREQUENCY CHARACTERISTICS



##### MEA3216L50R0: Crosstalk(50Ω System)



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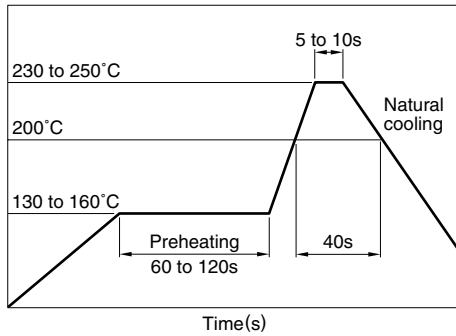
### 3-Terminal Filters for Signal Line and DC Power Line

#### SMD

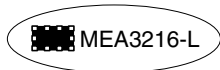
#### 4-LINE, LOW PROFILE TYPE

#### 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

