

3-terminal Filters(SMD Array) For General Signal Line

Conformity to RoHS Directive

MEA Series MEA3216L 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.

TEMPERATURE RANGES

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

PRODUCT IDENTIFICATION

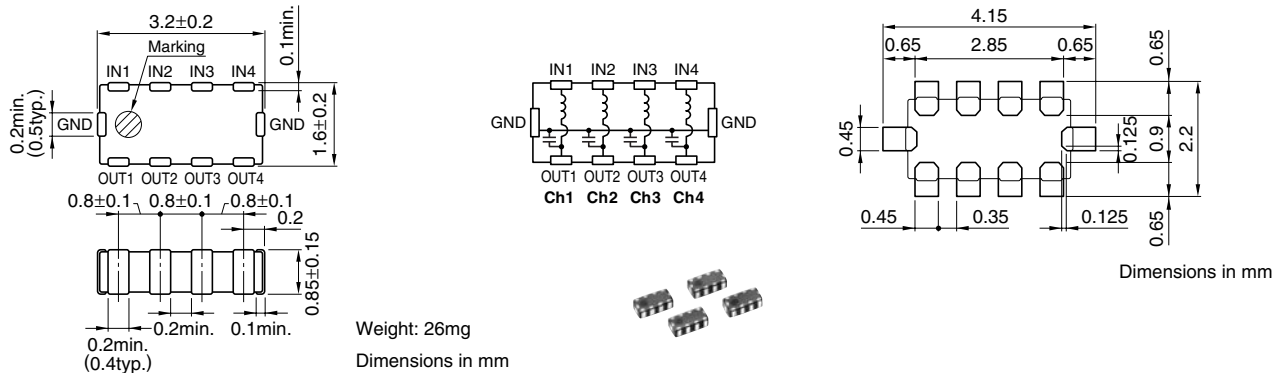
| MEA | 3216 | L | 50R0 | T |
|-----|------|-----|------|-----|
| (1) | (2) | (3) | (4) | (5) |

- (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



ELECTRICAL CHARACTERISTICS

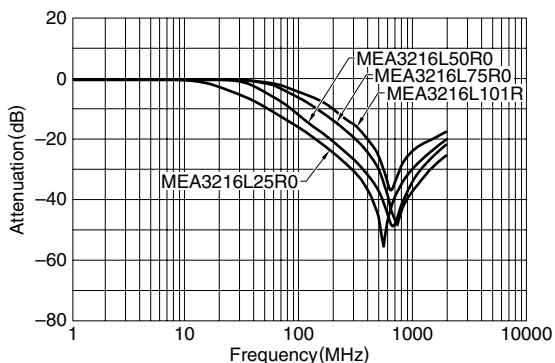
| Part No. | Cutoff frequency (MHz)typ. | Attenuation 20dB frequency range (MHz) | Rated voltage (V)max. | Rated current (mA)max. |
|--------------|----------------------------|--|-----------------------|------------------------|
| MEA3216L25R0 | 25 | 300 to 1000 | 10 | 100 |
| MEA3216L50R0 | 50 | 500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

• TEST EQUIPMENT

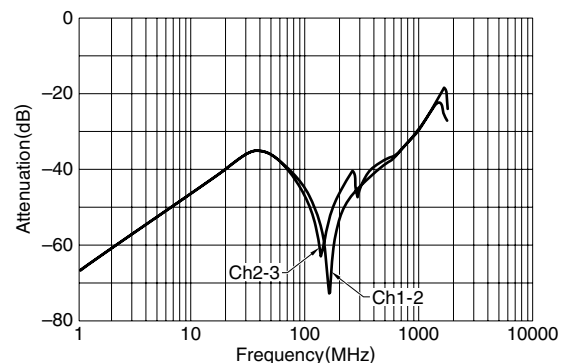
HP-8753B NETWORK ANALYZER, or equivalent
 HP-85046A S-PARAMETER TEST SET, or equivalent

TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS



MEA3216L50R0: Crosstalk(50Ω System)

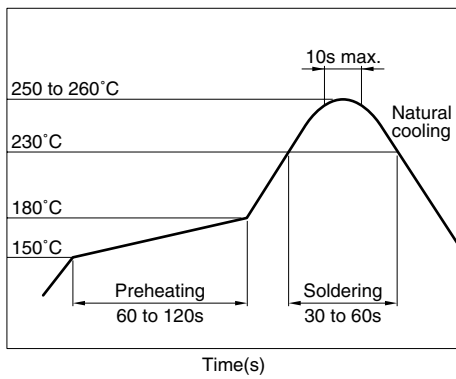


- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application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

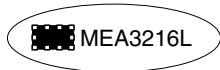
• All specifications are subject to change without notice.

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

