3-terminal Filters, SMD Array

For signal line

MEA series

Type:	**MEA1608L**	**1608[0603 inch]***
	MEA2010L	**2010[0804 inch]**

*** Dimensions Code JIS[EIA]**

Issue date: November 2011

- All specifications are subject to change without notice.
- 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.

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TDK

3-terminal Filters, SMD Array For Signal Line

Conformity to RoHS Directive

MEA Series MEA1608L

FEATURES

- 4-line LC filter are built in one chip for high-density circuit design.
- 0.5mm low profile.
- It is effective as a sensitivity suppression technique for mobile phones.
- This product is suitable for the LCD signal lines in mobile phone.

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	–40 to +85°C
Storage(After mount)	–40 to +85°C

PRODUCT IDENTIFICATION

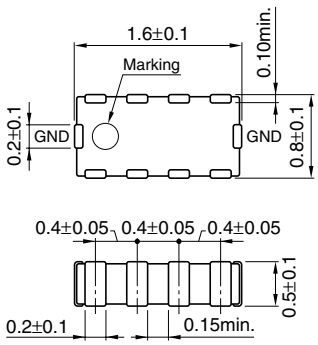
MEA	1608	L	50R0	T	□□□
(1)	(2)	(3)	(4)	(5)	(6)

(1)Series name
(2)Dimensions L×W
(3)Type name
(4)Cutoff freguency
50R0: 50MHz
(5)Packaging style T:Taping
(6)TDK internal code

PACKAGING STYLE AND QUANTITIES

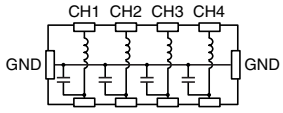
Packaging style	Quantity
Taping	4000 pieces/reel

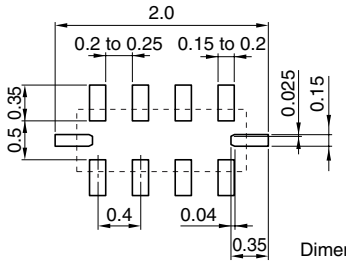
SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BORARD PATTERN (REFLOW)



Weight: 3.5mg

Dimensions in mm



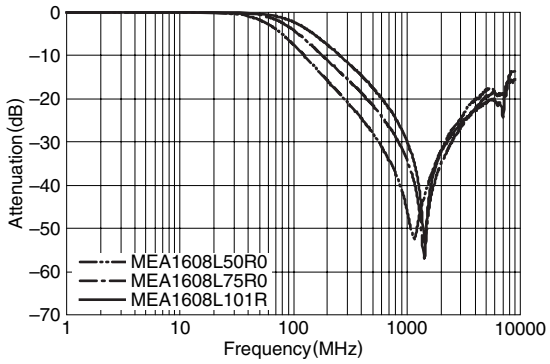


Dimensions in mm

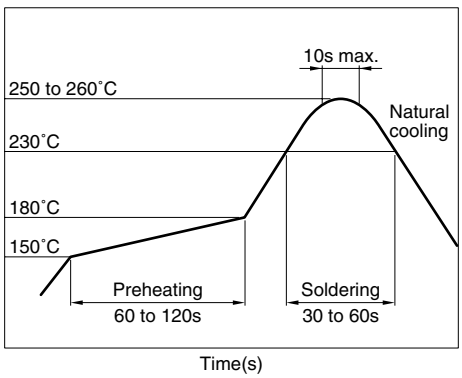
ELECTRICAL CHARACTERISTICS

Part No.	Cutoff frequency (MHz)typ.	Attenuation 20dB frequency range (MHz)	Rated voltage (V)max.	Rated current (mA)max.
MEA1608L50R0	50	500 to 2000	6.3	100
MEA1608L75R0	75	600 to 2000	6.3	100
MEA1608L101R	100	800 to 2000	6.3	100

TYPICAL ELECTRICAL CHARACTERISTICS
ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION
REFLOW SOLDERING



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- Please contact our Sales office when your application is 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.)

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3-terminal Filters, SMD Array For Signal Line

Conformity to RoHS Directive

MEA Series MEA2010L

FEATURES

- This array type MEA2010L consists of 4-line SMD filters in one chip.
- Due to small low-profile size(L2.0×W1.0×T0.7mm), it is possible to correspond to the set of the compact size and high-density mounting.
- This type corresponds to a lead-free soldering method.

APPLICATIONS

Noise suppression for PCs, LCD panels, printers, game machines, celluler phones, DVCs, etc.

TEMPERATURE RANGES

Operating	–40 to +85°C
Storage(After mount)	–40 to +85°C

PRODUCT IDENTIFICATION

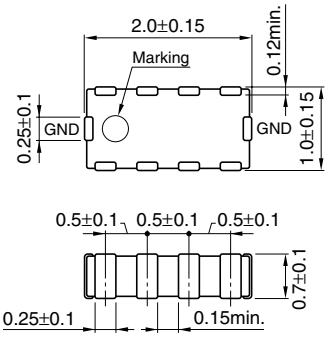
MEA	2010	L	101R	T	□□□
(1)	(2)	(3)	(4)	(5)	(6)

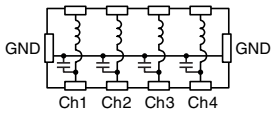
(1)Series name
(2)Dimensions L×W
(3)Type name
(4)Cutoff freguency
101R: 100MHz
(5)Packaging style T:Taping
(6)TDK internal code

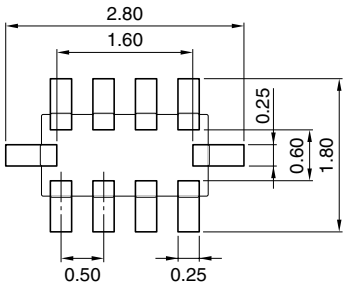
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BORARD PATTERN (REFLOW)







Weight: 7mg

Dimensions in mm

Dimensions in mm

ELECTRICAL CHARACTERISTICS

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MEA2010L50R0	50	500 to 2000	10	100
MEA2010L75R0	75	600 to 2000	10	100
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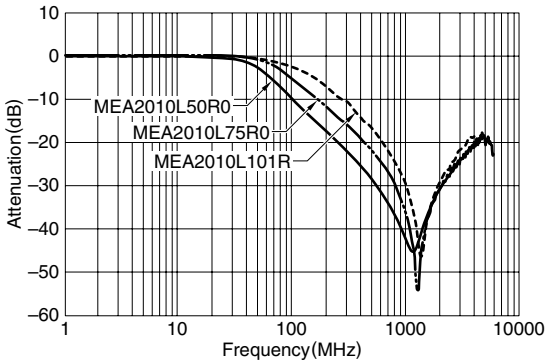
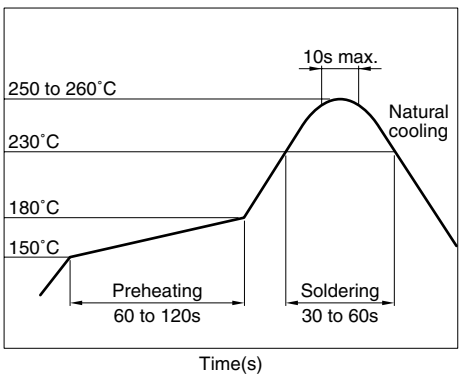
ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION
REFLOW SOLDERING



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