

3-terminal Filters, SMD Array

For signal line

(UHF band terrestrial digital broadcast / DVB-H band compatible)

MEA series

Type:	MEA1210PE	[0504 inch]*
	MEA1608PE	[0603 inch]
	MEA2010PE	[0804 inch]
	MEA1608PF	[0603 inch] (High Attenuation)

* Dimensions Code [EIA]

Issue date: September 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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3-terminal Filters, SMD Array

Conformity to RoHS Directive

For Signal Line

(UHF Band Terrestrial Digital Broadcast / DVB-H Band Compatible)

MEA Series MEA1210PE

FEATURES

- 2-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.

TEMPERATURE RANGES

Operating	-40 to +85°C
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PRODUCT IDENTIFICATION

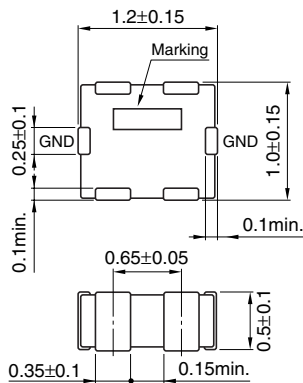
MEA	1210	P	E220	T
(1)	(2)	(3)	(4)	(5)

(1)Series name	(4)Capacitance (pF)
(2)Dimensions L×W	E220: 22pF
(3) π type circuit	(5)Packaging style T:Taping

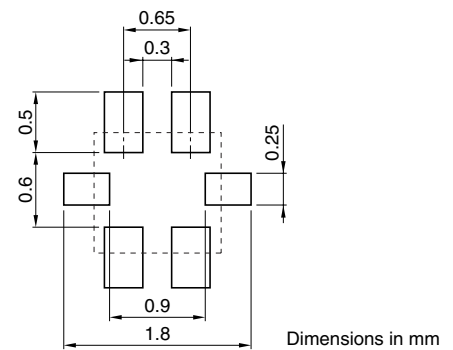
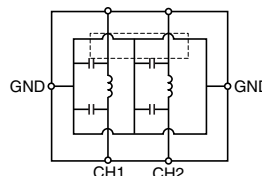
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

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



Weight: 3.5mg
Dimensions in mm



Dimensions in mm

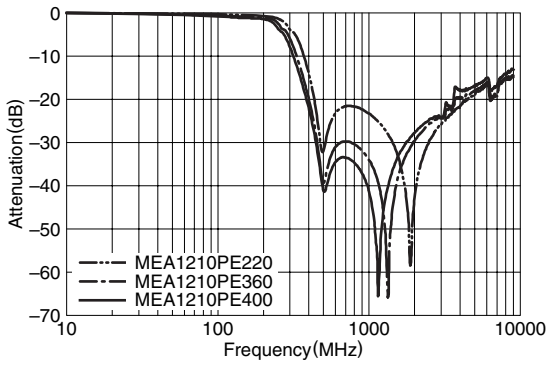
ELECTRICAL CHARACTERISTICS

Part No.	Rated voltage (V)max.	Rated current (mA)max.	Capacitance (pF)	Attenuation(dB)typ. [470MHz to 2GHz]
MEA1210PE220	6.3	100	22	20
MEA1210PE360	6.3	100	36	20
MEA1210PE400	6.3	100	40	20

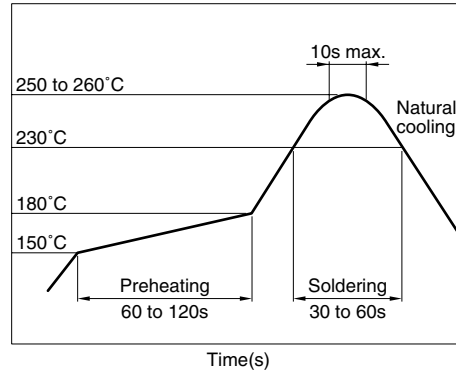
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application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

• All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



3-terminal Filters, SMD Array

Conformity to RoHS Directive

For Signal Line

(UHF Band Terrestrial Digital Broadcast / DVB-H Band Compatible)

MEA Series MEA1608PE

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

For LCD and camera signal lines in mobile phone.

TEMPERATURE RANGES

Operating	-40 to +85°C
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PRODUCT IDENTIFICATION

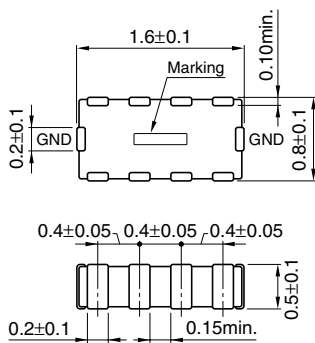
MEA	1608	P	E220	T
(1)	(2)	(3)	(4)	(5)

- | | |
|--------------------|-----------------------------|
| (1)Series name | (4)Capacitance (pF) |
| (2)Dimensions L×W | E220: 22pF |
| (3) π type circuit | (5)Packaging style T:Taping |

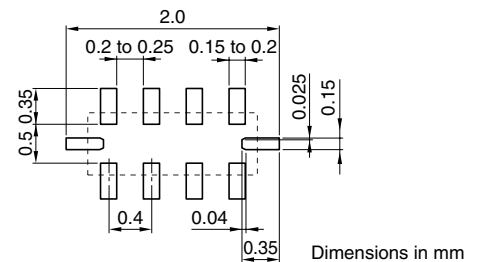
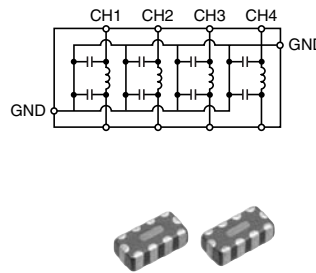
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

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



Weight: 3.5mg
Dimensions in mm



Dimensions in mm

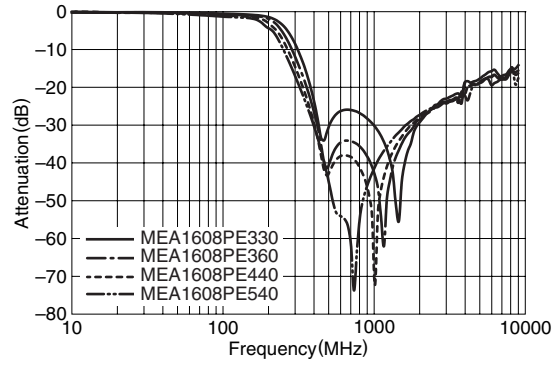
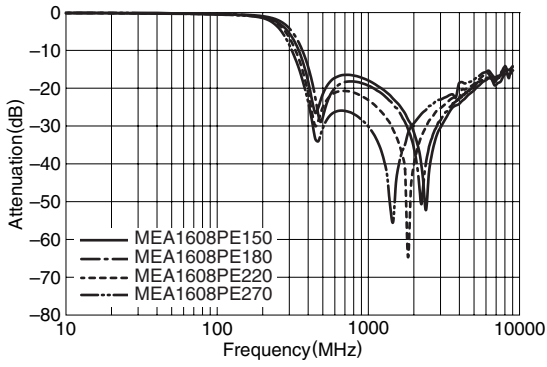
ELECTRICAL CHARACTERISTICS

Part No.	Rated voltage (V)max.	Rated current (mA)max.	Capacitance (pF)	Cutoff frequency (MHz)
MEA1608PE150	6.3	100	15	200
MEA1608PE180	6.3	100	18	200
MEA1608PE220	6.3	100	22	200
MEA1608PE270	6.3	100	27	200
MEA1608PE330	6.3	100	33	200
MEA1608PE360	6.3	100	36	200
MEA1608PE440	6.3	100	44	150
MEA1608PE540	6.3	100	54	150

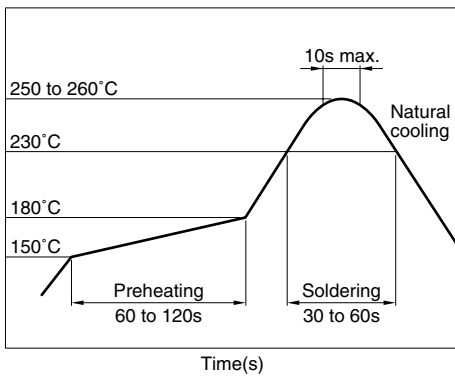
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TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



3-terminal Filters, SMD Array For Signal Line

Conformity to RoHS Directive

(UHF Band Terrestrial Digital Broadcast / DVB-H Band Compatible)

MEA Series MEA2010PE

FEATURES

- 4-line LC filter are built in a one chip for high-density circuit design.
- 0.7mm 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

LCD for terrestrial digital broadcast and camera signal lines in mobile phone.

TEMPERATURE RANGES

Operating	-40 to +85°C
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PRODUCT IDENTIFICATION

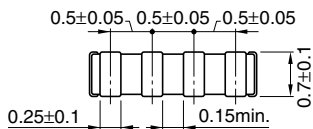
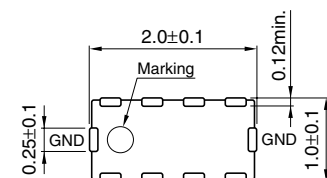
MEA	2010	P	E220	T
(1)	(2)	(3)	(4)	(5)

- | | |
|------------------------|-----------------------------|
| (1)Series name | (4)Capacitance (pF) |
| (2)Dimensions L×W | E220: 22pF |
| (3) π type circuit | (5)Packaging style T:Taping |

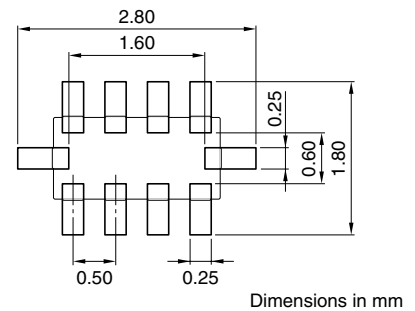
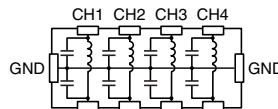
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

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



Weight: 7mg
Dimensions in mm



Dimensions in mm

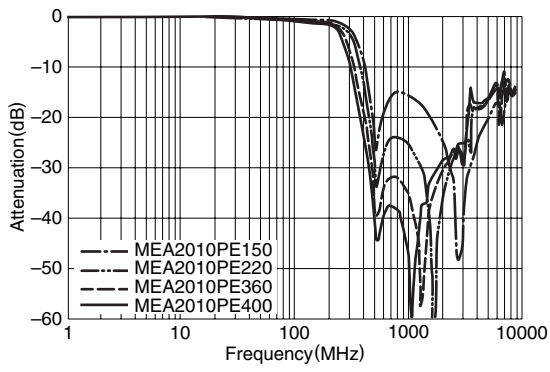
ELECTRICAL CHARACTERISTICS

Part No.	Rated voltage (V)max.	Rated current (mA)max.	Capacitance (pF)	Attenuation(dB)typ. [470MHz to 2GHz]
MEA2010PE150	6.3	100	15	10
MEA2010PE220	6.3	100	22	20
MEA2010PE360	6.3	100	36	20
MEA2010PE400	6.3	100	40	20

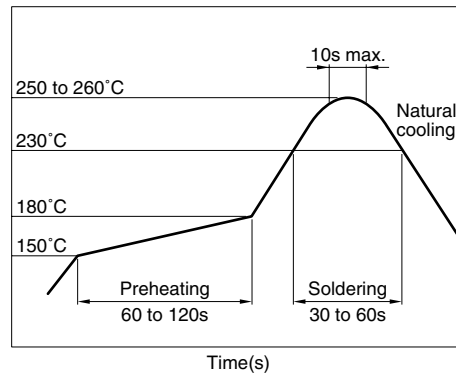
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TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



3-terminal Filters, SMD Array For Signal Line

Conformity to RoHS Directive

(UHF Band Terrestrial Digital Broadcast / DVB-H Band Compatible)

MEA Series MEA1608PF

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

For LCD and camera signal lines in mobile phone.

TEMPERATURE RANGES

Operating	-40 to +85°C
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PRODUCT IDENTIFICATION

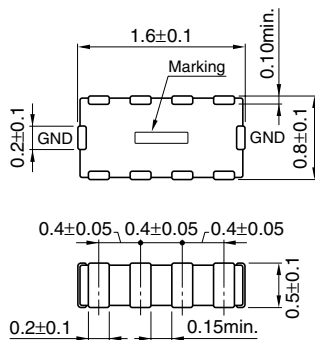
MEA	1608	P	F330	T
(1)	(2)	(3)	(4)	(5)

- | | |
|--------------------|-------------------------------|
| (1) Series name | (4) Capacitance (pF) |
| (2) Dimensions L×W | F330: 33pF |
| (3) π type circuit | (5) Packaging style T: Taping |

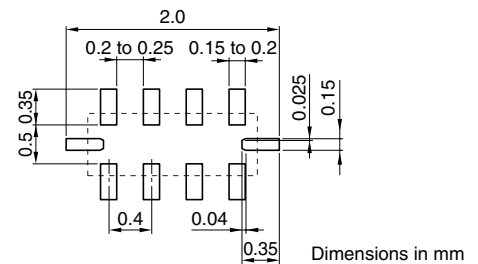
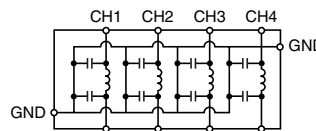
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

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



Weight: 3.5mg
Dimensions in mm



Dimensions in mm

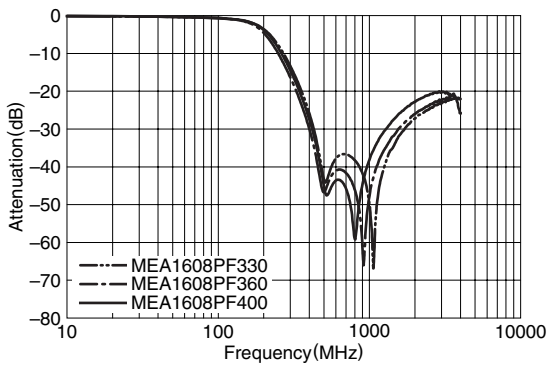
ELECTRICAL CHARACTERISTICS

Part No.	Rated voltage (V)max.	Rated current (mA)max.	Capacitance (pF)	Cutoff frequency (MHz)
MEA1608PF330	6.3	100	33	150
MEA1608PF360	6.3	100	36	150
MEA1608PF400	6.3	100	40	150

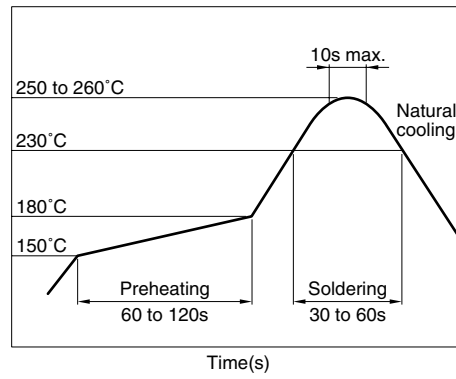
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TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



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