

Conformity to RoHS Directive

FEATURES

- This array type MEA2010L consists of 4-line SMD filters in one chip.
- This type is suitable for the cellular phone.
- This type corresponds to a lead-free soldering method.

Signal line noise elimination for cellular phones, digital still camera, etc.

Operating	−40 to +85°C
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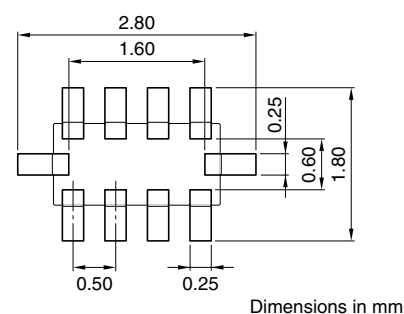
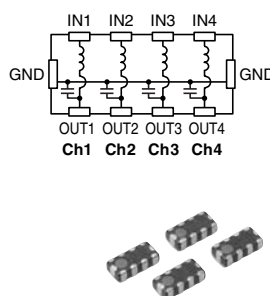
MEA	2010	L	C220	T
(1)	(2)	(3)	(4)	(5)

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|-------------------|-----------------------------|
| (1)Series name | (4)Capacitance (pF) |
| (2)Dimensions L×W | C220: 22pF |
| (3)L type circuit | (5)Packaging style T:Taping |

Packaging style	Quantity
Taping	4000 pieces/reel

The mechanical drawing shows the 16-pin package from two perspectives. The top view is a rectangle with a width of 2.0 ± 0.1 and a height of 1.0 ± 0.1 . It features four input pins (IN1, IN2, IN3, IN4) and four output pins (OUT1, OUT2, OUT3, OUT4) along the top edge, with a central marking area. Ground pins (GND) are located at the corners. The pin height is 0.25 ± 0.1 and the pin pitch is 0.12 min. . The side view shows a package height of 0.5 ± 0.1 and a pin thickness of 0.15 min. . The distance from the mounting surface to the pin base is 0.25 ± 0.1 . The pin spacing is 0.5 ± 0.1 .

Weight: 5mg
Dimensions in mm



Part No.	Rated voltage (V)	Rated current (mA)	Capacitance (pF)	Attenuation(dB)typ. [800MHz to 2GHz]
MEA2010LC040	6.3	100	4	15
MEA2010LC060	6.3	100	6	15
MEA2010LC080	6.3	100	8	15
MEA2010LC100	6.3	100	10	20
MEA2010LC150	6.3	100	15	20
MEA2010LC220	6.3	100	22	20

Figure 1 is a line graph showing the attenuation (in dB) versus frequency (in MHz) for the MEA2010LC series capacitors. The x-axis is logarithmic, ranging from 1 MHz to 10,000 MHz. The y-axis is linear, ranging from 0 dB to -70 dB. The graph displays six curves corresponding to different capacitance values: 0.040 nF, 0.060 nF, 0.080 nF, 0.100 nF, 0.150 nF, and 0.220 nF. All curves show a sharp drop in attenuation (increasing negative dB value) starting around 1,000 MHz, with the 0.220 nF curve showing the lowest attenuation (most negative dB value) at high frequencies.

Frequency (MHz)	MEA2010LC040 (dB)	MEA2010LC060 (dB)	MEA2010LC080 (dB)	MEA2010LC100 (dB)	MEA2010LC150 (dB)	MEA2010LC220 (dB)
1	0	0	0	0	0	0
10	0	0	0	0	0	0
100	0	0	0	0	0	0
1,000	-45	-40	-35	-30	-25	-20
10,000	-55	-50	-45	-40	-35	-30

- **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.

- All specifications are subject to change without notice.