

MDR746F

2.45GHz BPF for Bluetooth

Characteristics

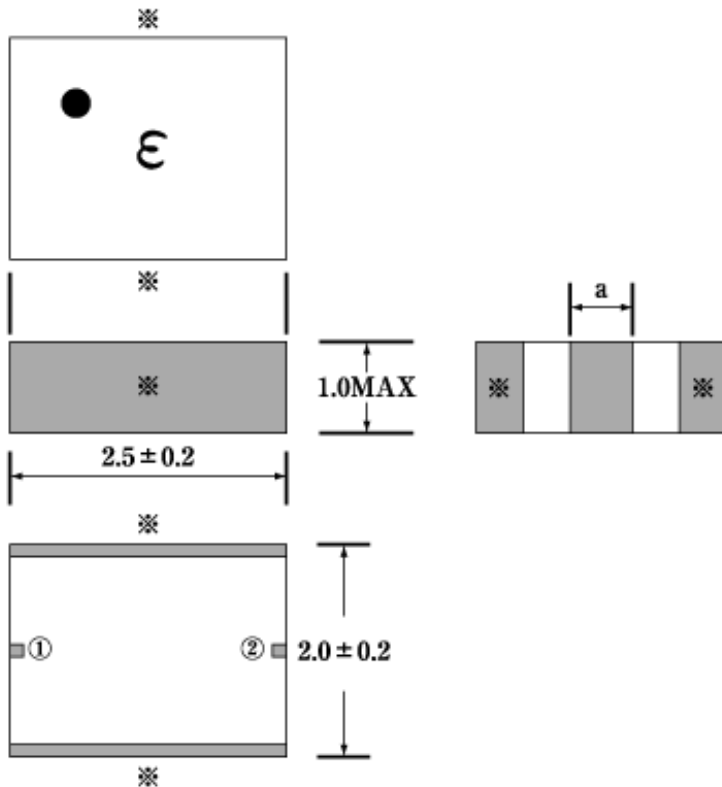
MDR746F	
Zin/Zout	50 ohm Nominal
Fc	2450MHz Nominal
Pass Band	2400-2500MHz
Insertion Loss	1.2 dB max (2400-2500MHz at 25 Deg.C)
	1.5 dB max (2400-2500MHz at -40 up to +85 Deg.C)
Ripple	0.6 max (2400-2500MHz)
V.S.W.R	2.0 max (2400-2500MHz)
Attenuation	30 dB min (at 880-915MHz)
	30 dB min (at 1710-1785MHz)
	35 dB min (at 1850-1910MHz)
	25 dB min (at 4800-5000MHz)
	22 dB min (at 7200-7500MHz) Reference

Number of ordered pieces

2000pcs/Reel

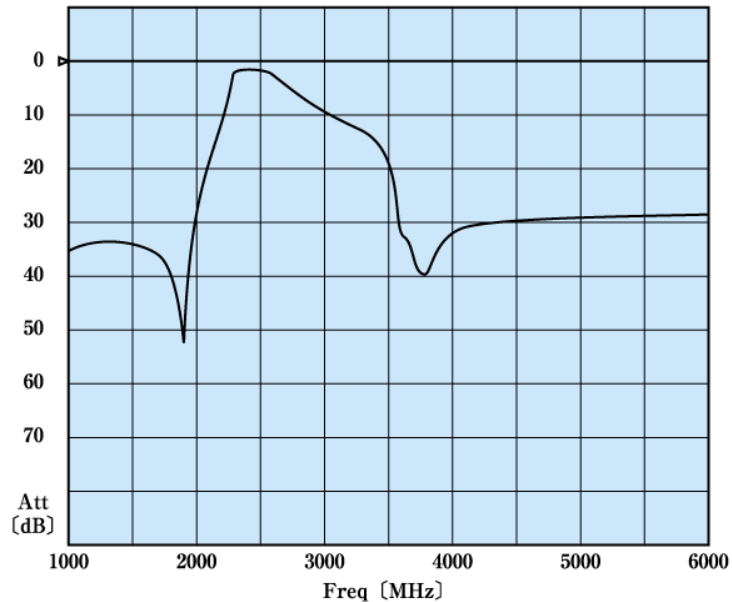
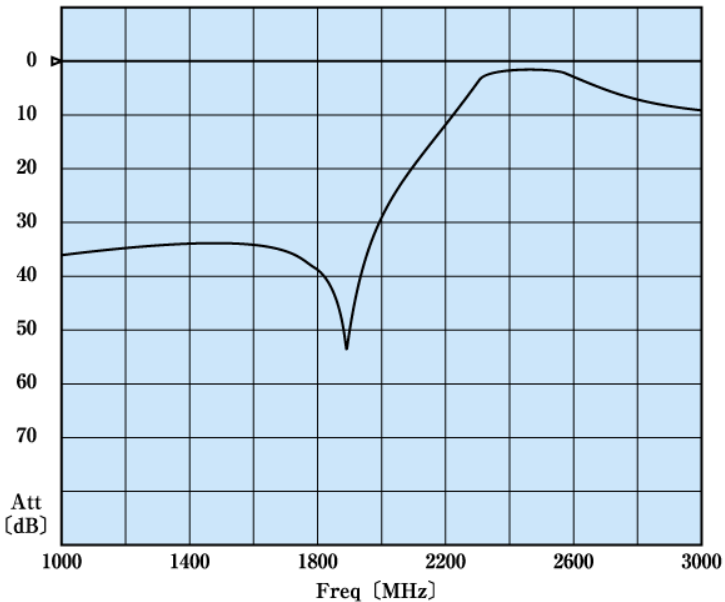
Dimensions

Dimension (Unit : mm)



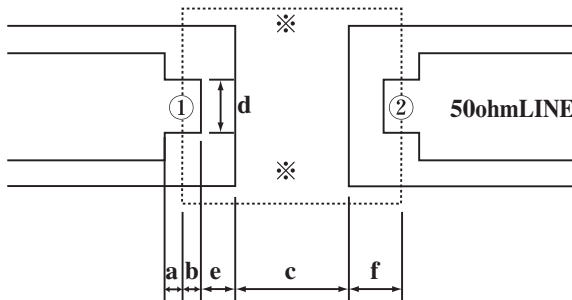
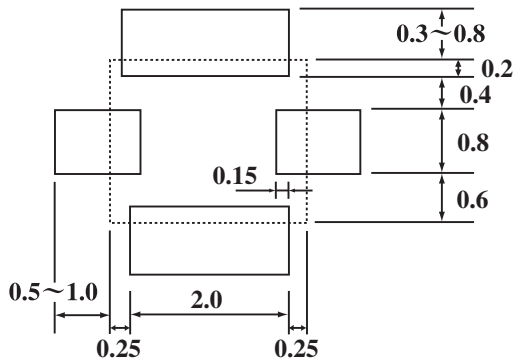
Terminal	
①	Input
②	Output
*	GND

$$a = 0.5 \pm 0.2$$



Resist pattern

Land pattern



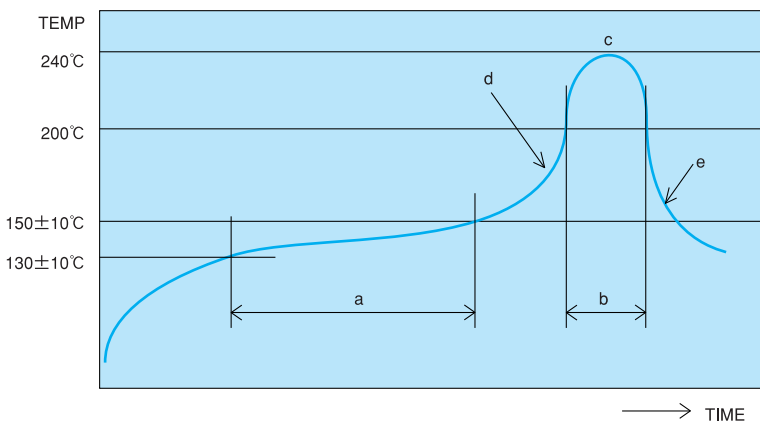
Terminal	
①	Input
②	Output
※	GND

Example : t=1.0mm

Glass-epoxy board
Glass-fluorine board
(High Frequency)

- a=0.2
- b=0.2
- c=1.3
- d=0.6
- e=0.4
- f=0.6
- (Unit : mm)

Reflow-soldering conditions(For reference)



High temperature reflow-soldering conditions

(No more than 2 flows allowed)

- a:Preheating 40 to 120 seconds
- b:Heating 50 seconds
- c:Peak temperature 240°C,max.
- d:Temperature rising slope 10°C/1 second,max.
- e:Temperature falling slope 8°C/1 second,max.

