MDR746F

2.45GHz BPF for Bluetooth

Characteristics

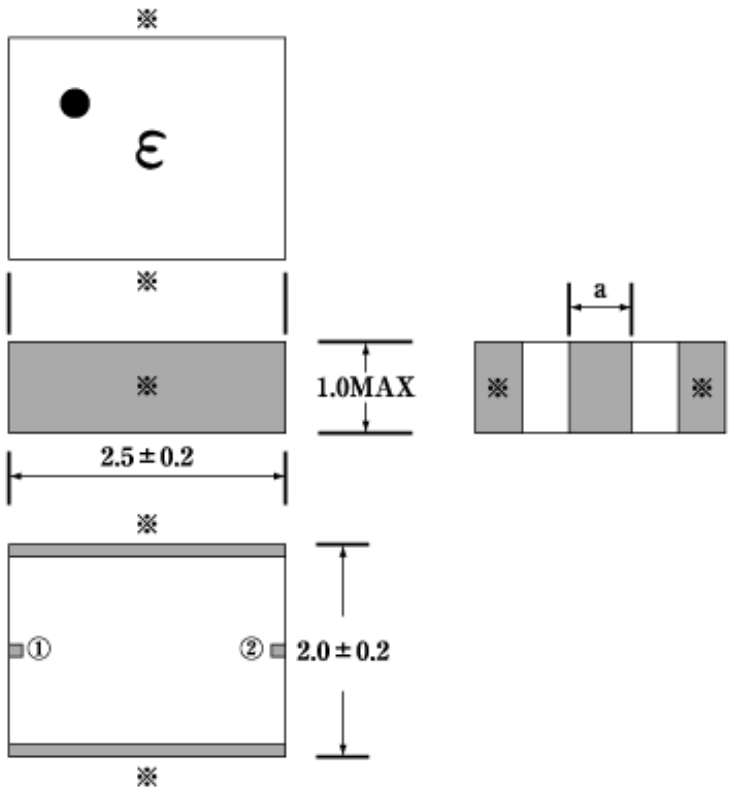
MDR746F	
Zin/Zout	50 ohm Nominal
Fc	2450MHz Nominal
Pass Band	2400-2500MHz
Insertion Loss	1.2 dB max (2400-2500MHz at 25 Deg.C)
	1.5 dB max (2400-2500MHz at -40 up to +85 Deg.C)
Ripple	0.6 max (2400-2500MHz)
V.S.W.R	2.0 max (2400-2500MHz)
Attenuation	30 dB min (at 880-915MHz)
	30 dB min (at 1710-1785MHz)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

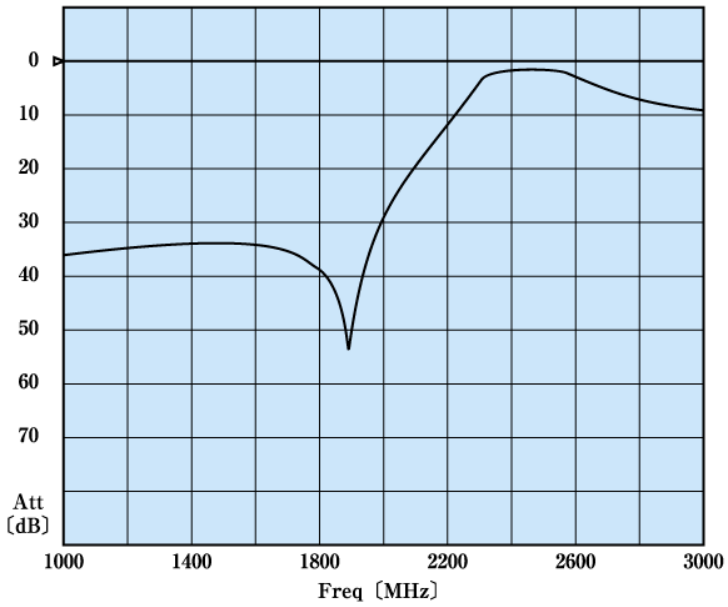
Dimension (Unit : mm)



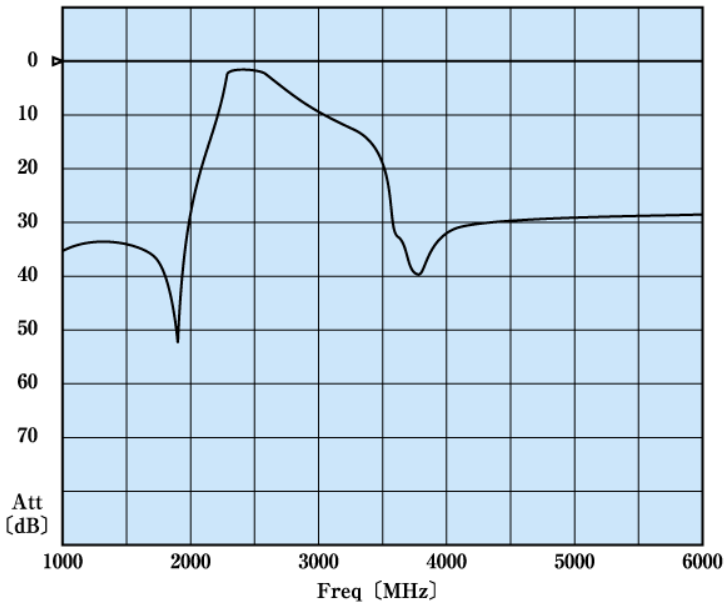
Terminal	
①	Input
②	Output
※	GND

a=0.5 ± 0.2

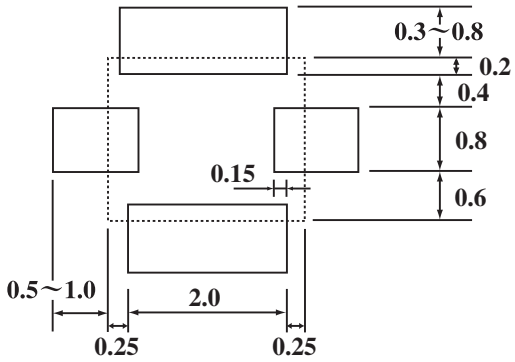
Frequency Data1



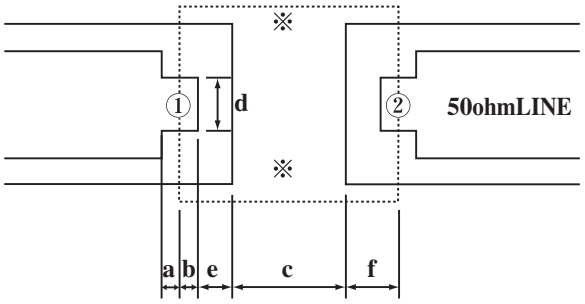
Frequency Data2



Resist pattern



Land pattern

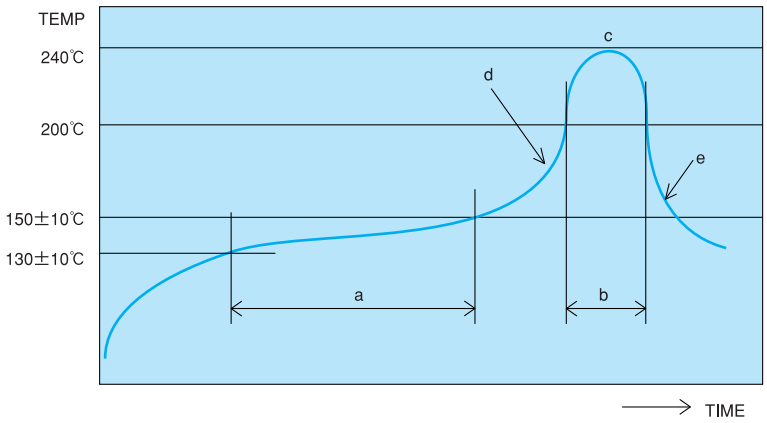


Terminal	
①	Input
②	Output
※	GND

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)

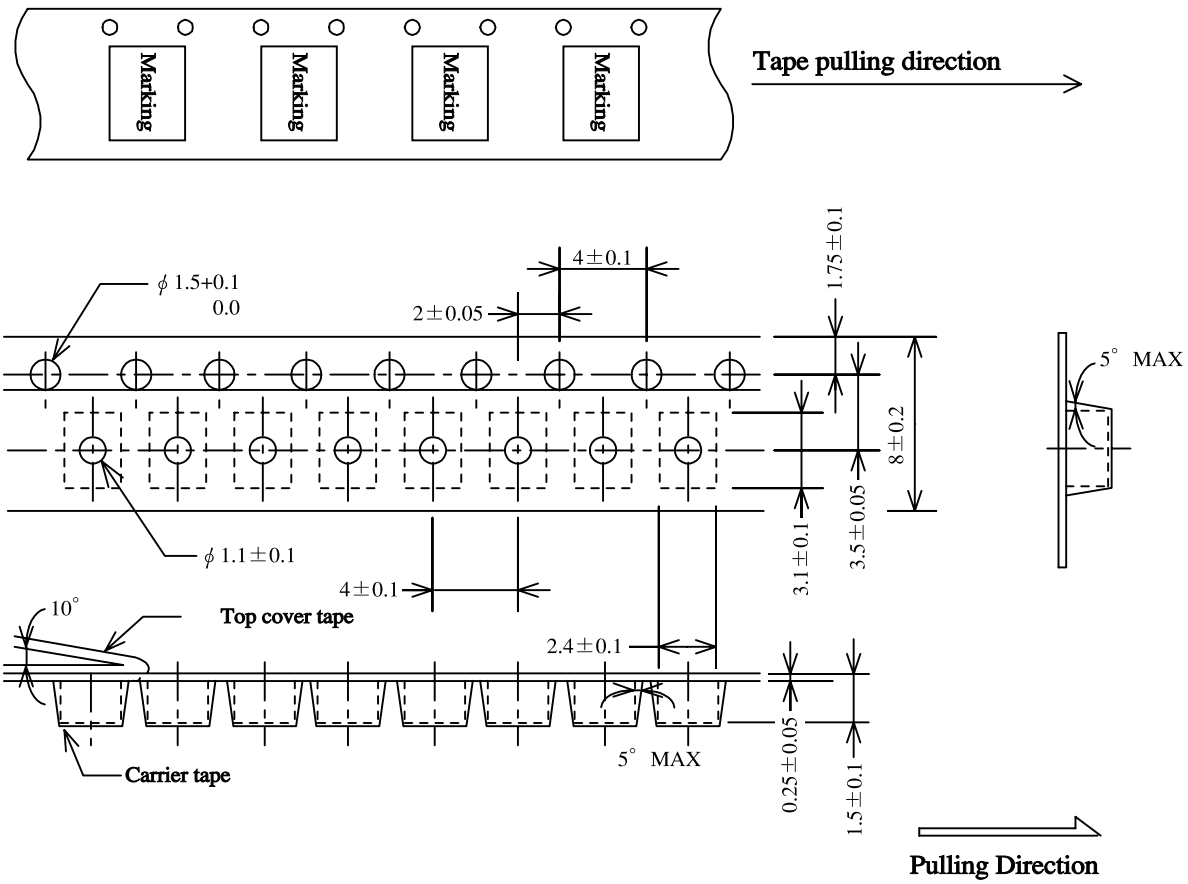
Reflow-soldering conditions(For reference)



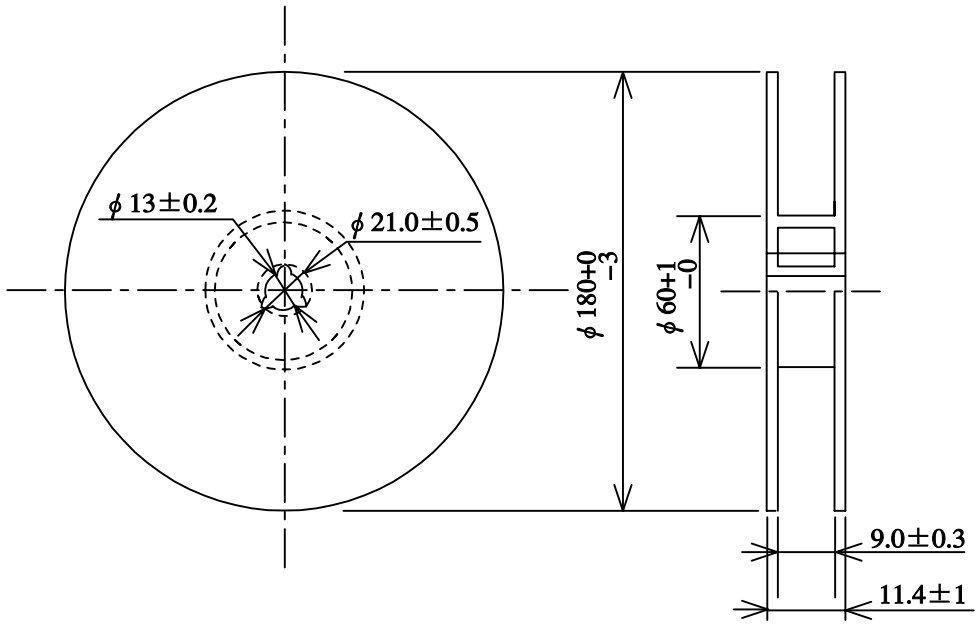
High temperature reflow-soldering conditions
(No more than 2 flows allowed)

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

Taping Dimensions (Unit:mm)



Reel Dimensions (Unit:mm)



(2,000pcs／reel)