MDR649E

1.9GHz PHS Inter stage BPF

Characteristics

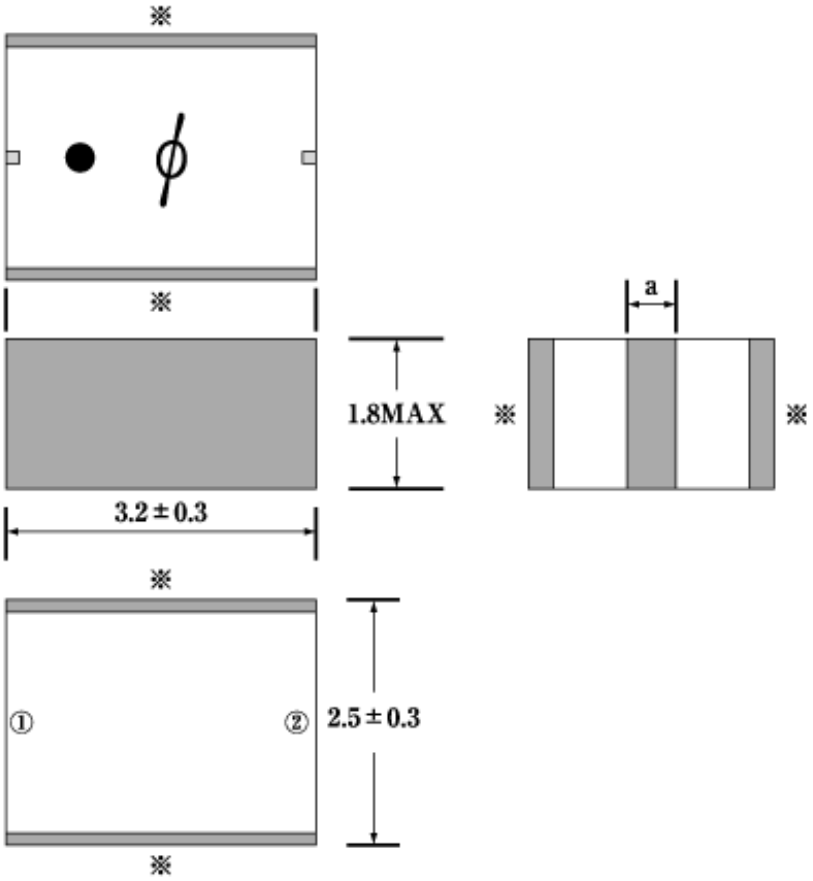
MDR649E	
Zin/Zout	50 ohm Nominal
Fc	1906.5MHz Nominal
Pass Band	1893-1920MHz
Insertion Loss	1.25 dB max (1893-1920MHz at 25 Deg.C)
	1.45 dB max (1893-1920MHz at -40 up to +85 Deg.C)
Ripple	0.5 dB max (1893-1920MHz)
V.S.W.R	2.0 max (1893-1920MHz)
Attenuation	45 dB min (at 1420MHz)
	19 dB min (at 1660MHz)
	5 dB min (at 1798MHz)
	9 dB min (at 2139MHz)
	20 dB min (3786-3840MHz)
	12 dB min (5679-5760MHz)

Number of ordered pieces

2000pcs/Reel

Dimensions

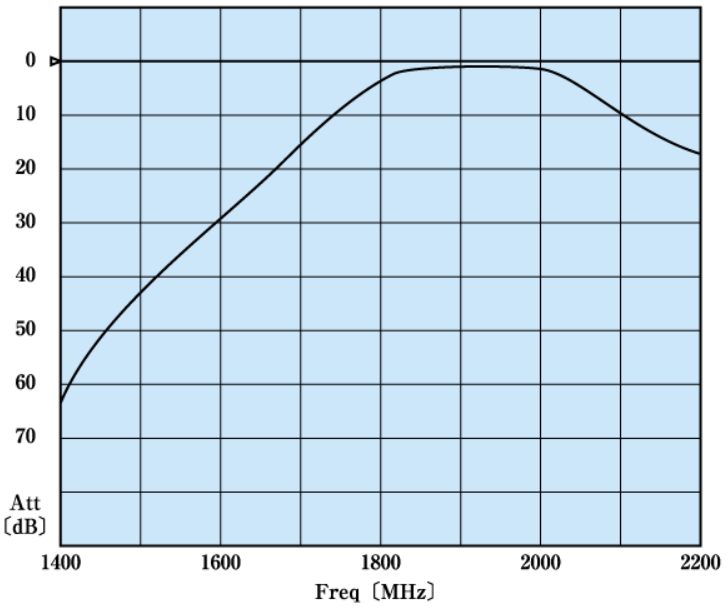
Dimension (Unit : mm)



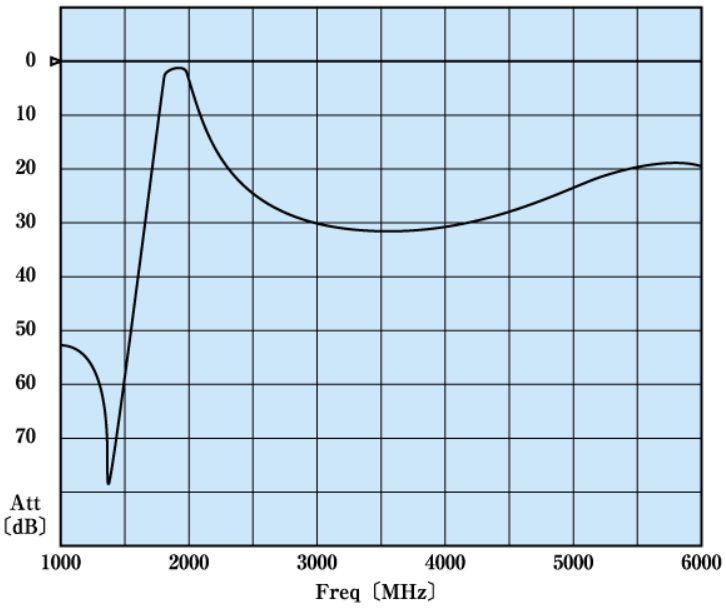
Terminal	
①	Input
②	Output
※	GND

a=0.6 ± 0.3

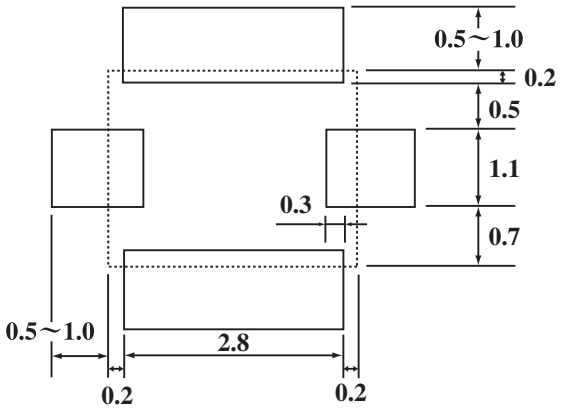
Frequency Data1



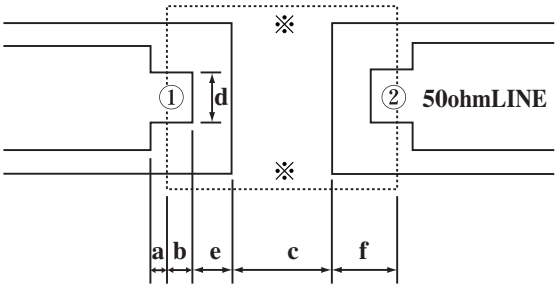
Frequency Data2



Resist pattern



Land pattern

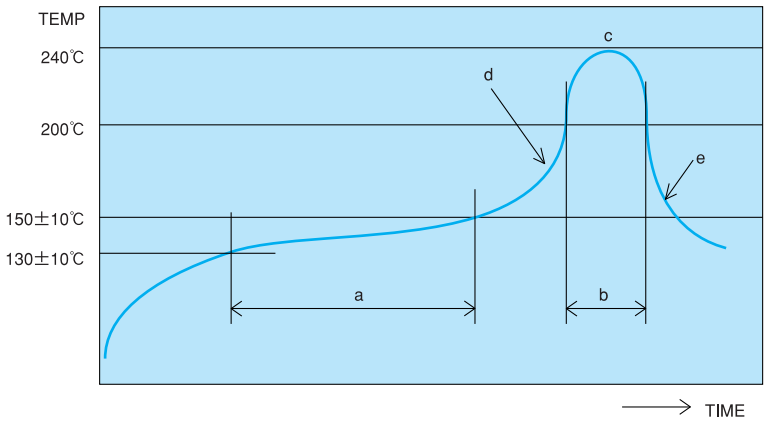


Terminal	
①	Input
②	Output
※	GND

Example : t=1.0mm
Glass-epoxy board

a=0.2
b=0.3
c=1.6
d=0.7
e=0.5
f=0.8
(Unit : mm)

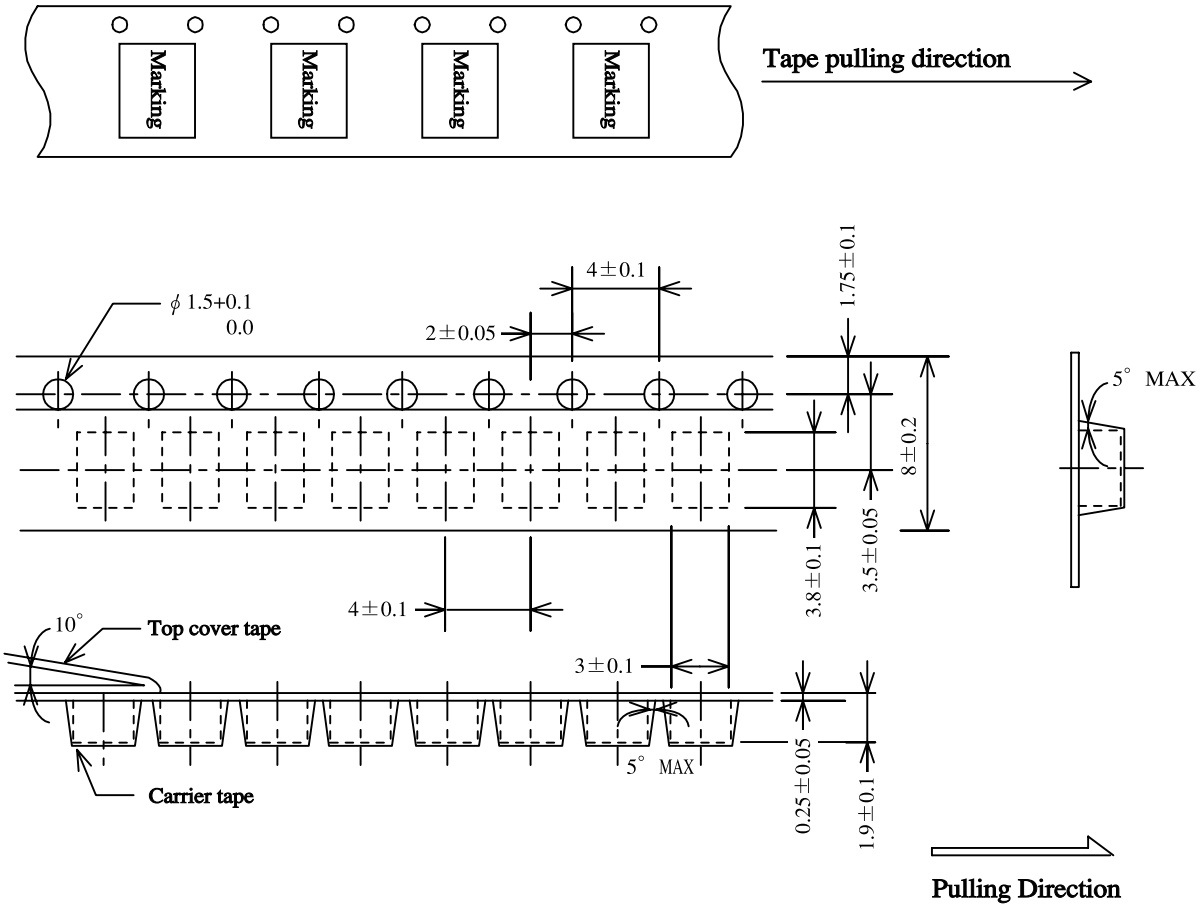
Reflow-soldering conditions(For reference)



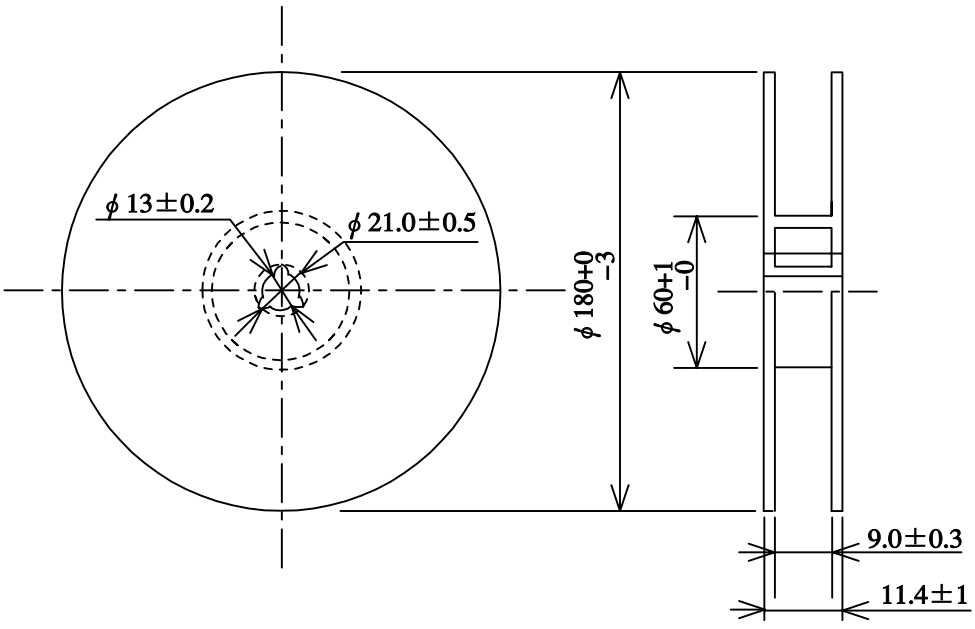
High temperature reflow-soldering conditions
(No more than 2 flows allowed)

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)