HMD881J Diplexer for Wireless LAN (2.4GHz/5GHz)

Applications

Diplexer for Wireless LAN (2.4GHz/5GHz)

Specifications

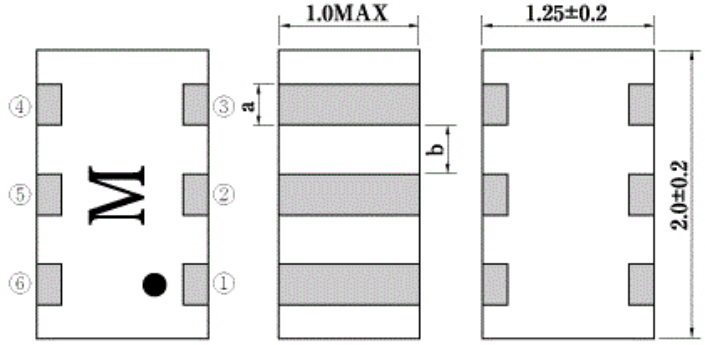
HMD881J	
Zin/Zout	50 ohm Nominal
Fc	Low 2450MHz Nominal
	High 5425MHz Nominal
Pass Band	Low 2400-2500MHz Nominal
	High 4900-5950MHz Nominal
Insertion Loss	Low 0.5 dB max (2400-2500MHz at 25 Deg.C)
	Low 0.7 dB max (2400-2500MHz at -40 up to +85 Deg.C)
	High 0.8 dB max (4900-5950MHz at 25 Deg.C)
	High 1.1 dB max (4900-5950MHz at -40 up to +85 Deg.C)
Ripple	Low 0.3 dB max (2400-2500MHz)
	High 0.5 dB max (4900-5950MHz)
V.S.W.R	Low 2.0 max (2400-2500MHz)
	High 2.0 max (4900-5950MHz)
Attenuation	Low 20 dB min (4800-6000MHz)
	Low 20 dB min (7200-7500MHz)
	High 25 dB min (1800-2500MHz)
	High 25 dB min (9800-11900MHz) Reference

Order Unit

2000pcs/Reel

Dimensions

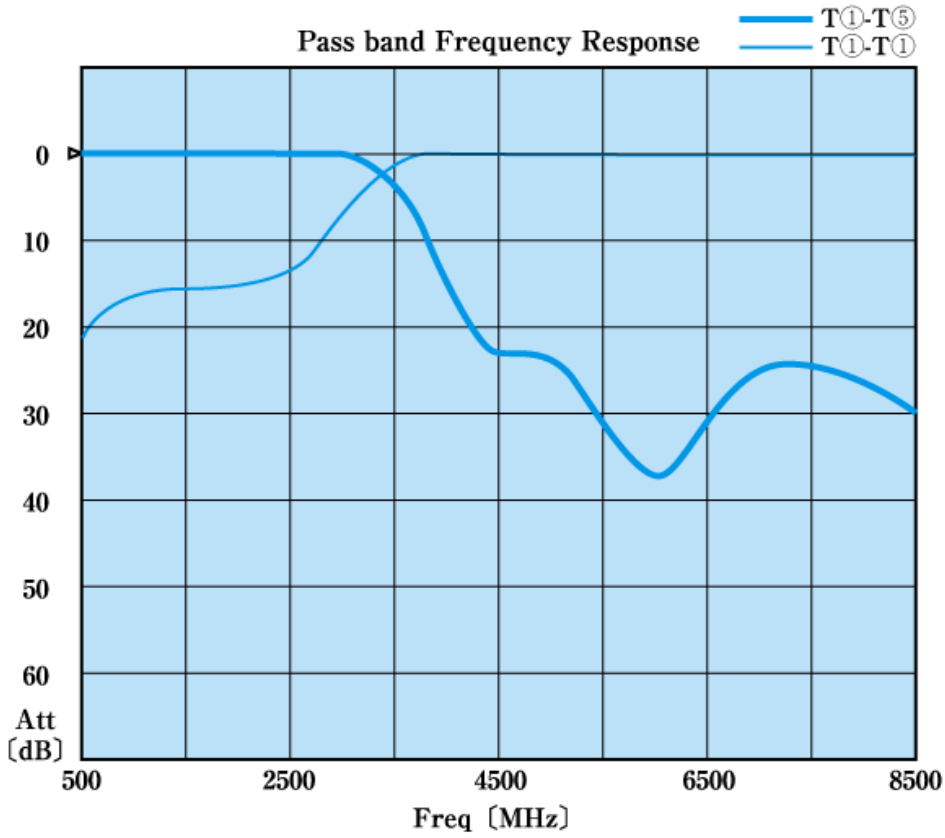
Dimensions (Unit : mm)



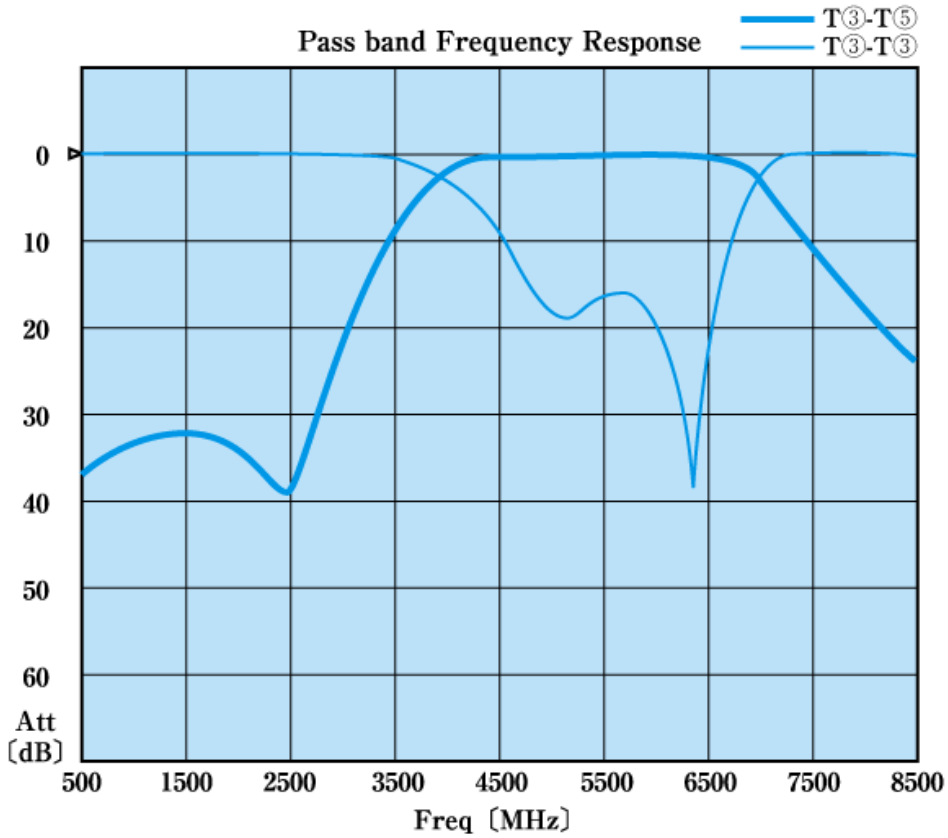
Terminal	
①	Low
②	GND
③	High
④	GND
⑤	Common
⑥	GND

Terminal Dimensions	
a	0.3±0.2
b	0.35±0.2

Characteristics (Typical) 1

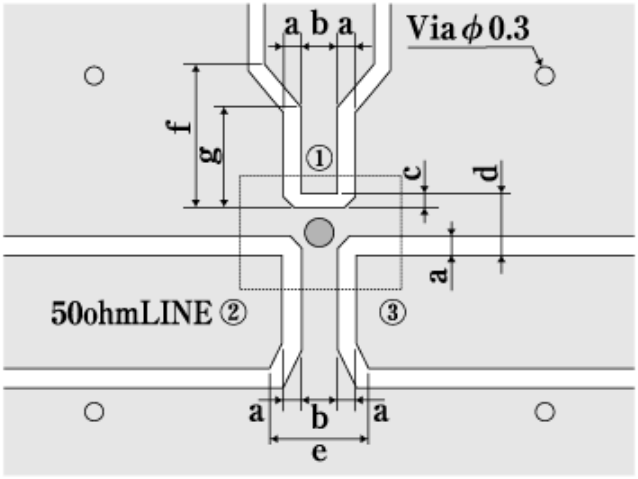


Characteristics (Typical) 2



Land Pattern (Unit: mm)

Land pattern



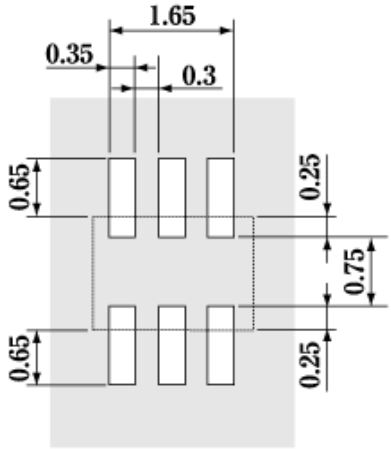
Terminal	
①	Input
②	Output 1
③	Output 2
※	GND

a=0.3
b=0.4
c=0.2
d=0.8
e=1.39
f=1.9
g=1.5
(Unit : mm)

Example : t=1.0mm
Glass-epoxy board

Resist Pattern (Unit: mm)

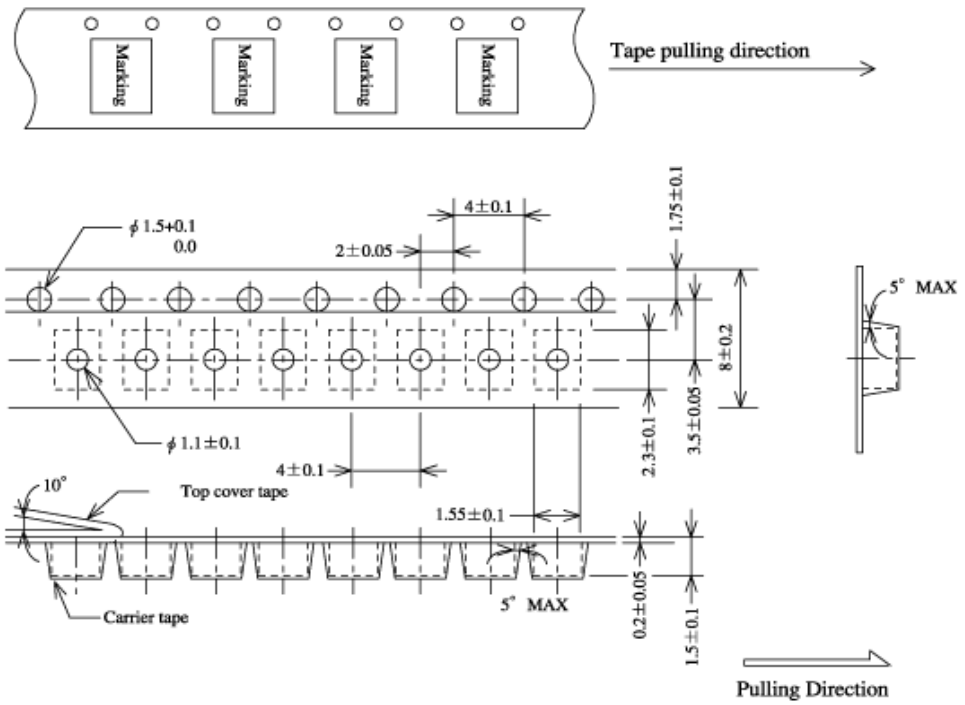
Resist pattern



Example : t=1.0mm
Glass-epoxy board

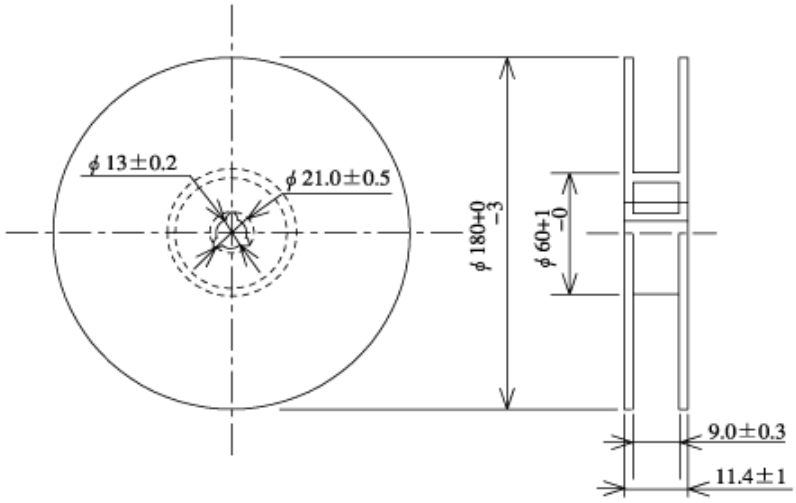
Taping Dimensions

Taping Dimensions (Unit:mm)



Reel Dimensions

Reel Dimensions (Unit:mm)



(2,000pcs／reel)