HMD964U 3.6GHz Balun for WiMAX

Compact, Low profile

Applications

Impedance matching for balanced & unbalanced circuit

Specifications

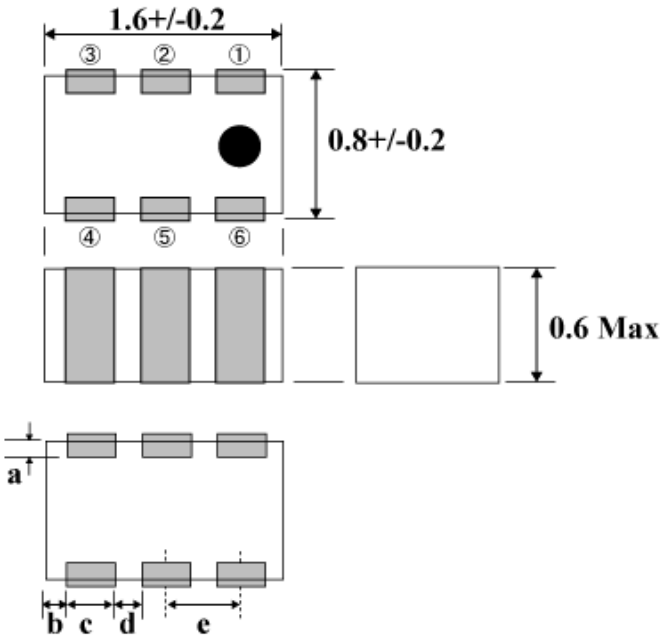
HMD964U	
Unbalance Port Impedance	50 ohm Nominal
Balance Port Impedance	100 ohm Nominal
Fc	3600MHz Nominal
Pass Band	3300-3900MHz
Insertion Loss (at 25 Deg.C)	1.2 dB max (typ 1.08 dB)
Ripple	1.0 dB max
Unbalance Port V.S.W.R in BW	2.0 max (typ 1.75)
Balance Port V.S.W.R in BW	2.0 max (typ 1.71)
Amplitude Balance	1.5 dB max (typ -0.46 dB)
Phase Differential	180+/-15 Deg.(typ 170.06 Deg.)

Order Unit

3000pcs/Reel

Dimensions

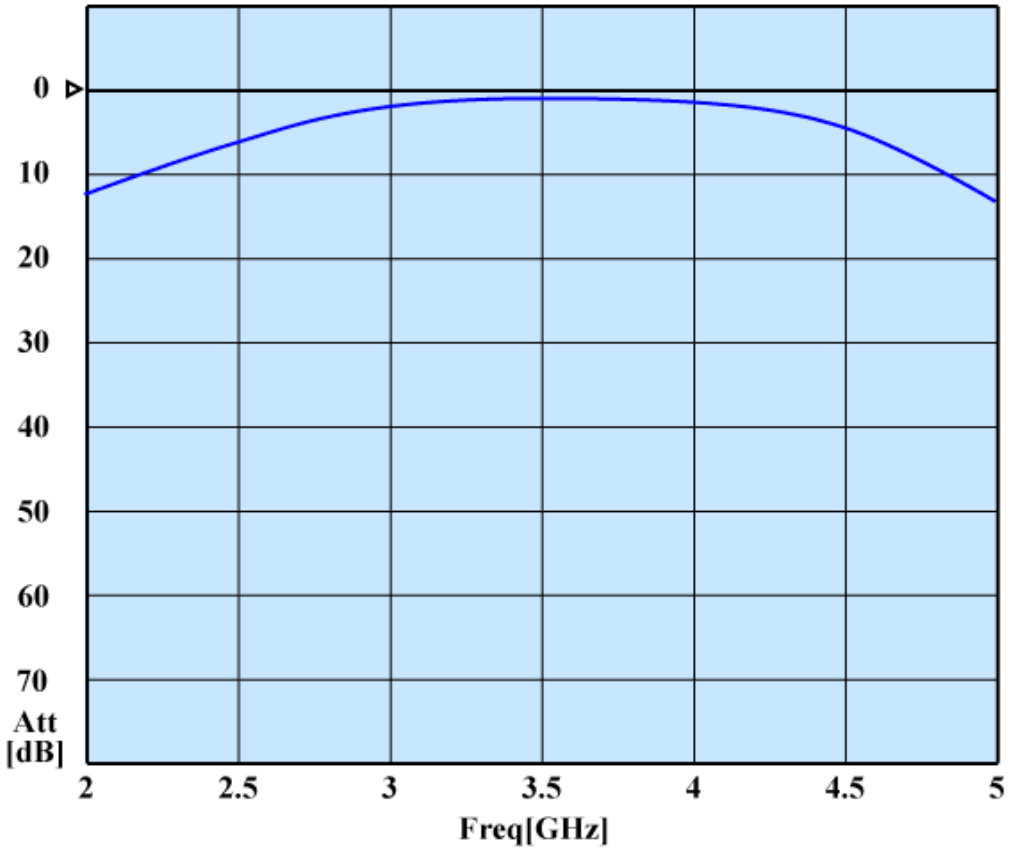
Dimension(Unit : mm)



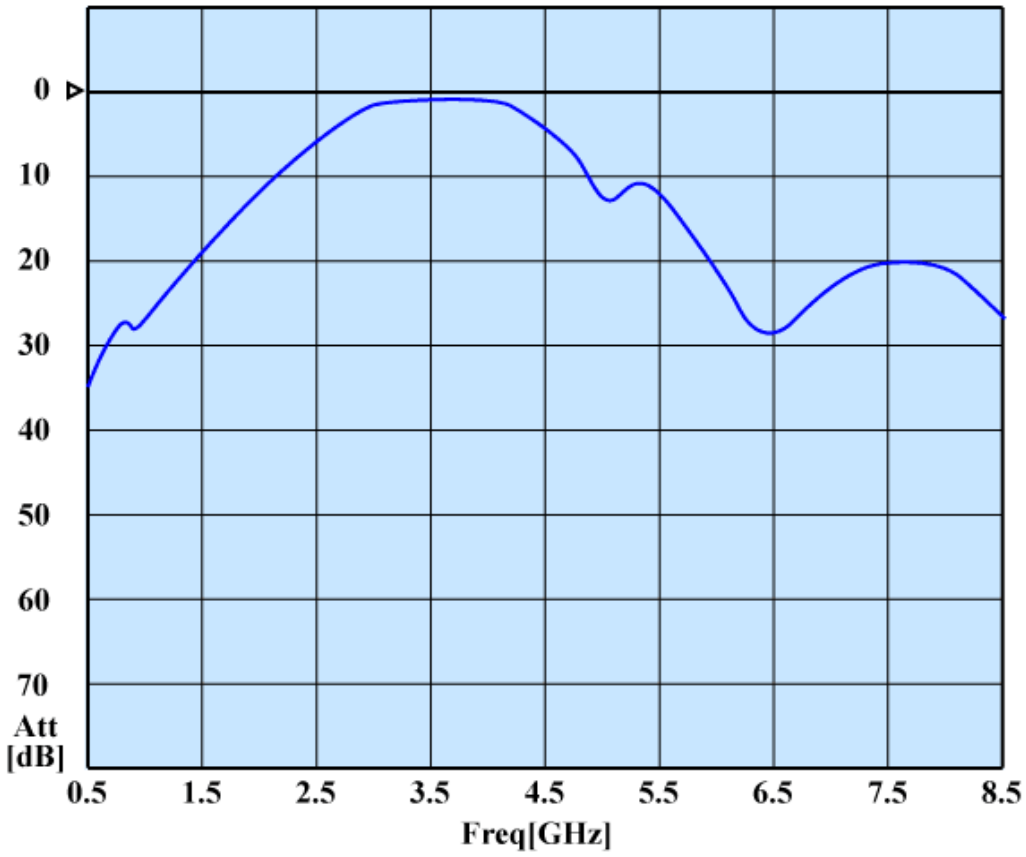
Terminal	
①	Unbalance
②	DC/GND
③	Balance
④	Balance
⑤	GND
⑥	NC

Terminal Dimensions	
a	0.15 Typ.
b	0.15 +/- 0.15
c	0.30 +/- 0.10
d	0.20 +/- 0.10
e	0.50 +/- 0.10

Frequency Characteristics Pass Band

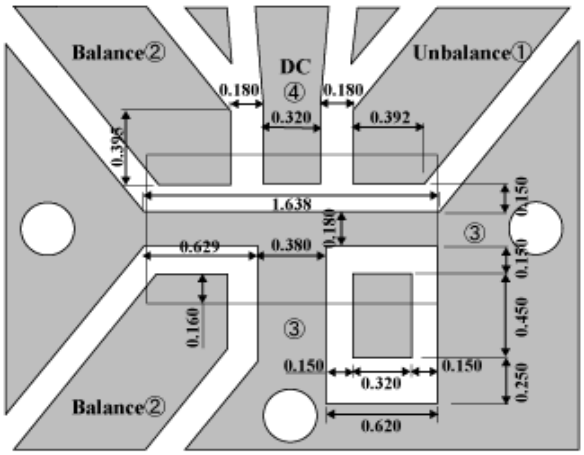


Frequency Characteristics Broad Band



Land Pattern

Land Pattern(Unit:mm)



① 50 ohm Impedance Lines
② 50 ohm Impedance Lines
③ Ground Plane
④ DC feed line

Resist Pattern

Resist Pattern(Unit:mm)

