

Maximum Rating

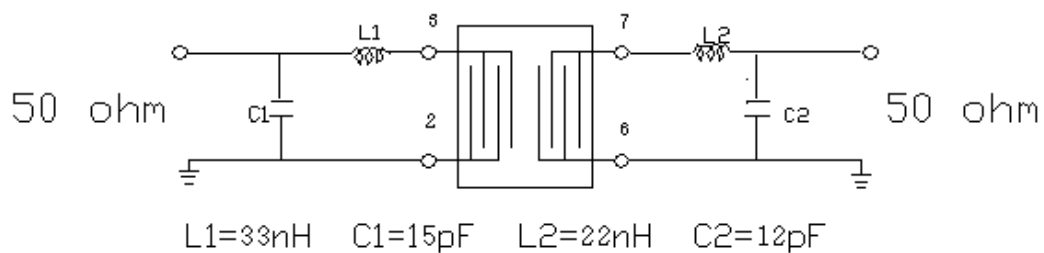
1. Input Power Level: 10 dBm
2. Operating Temperature: -10°C to 85°C
3. Storage Temperature: -40°C to 85°C

Electrical Characteristics

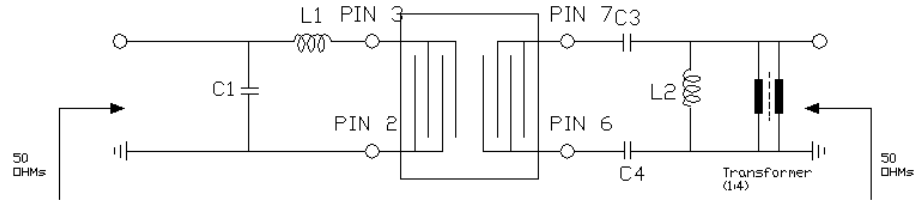
Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	280	-	
Insertion Loss, IL	dB	-	8.3	10	
Passband width, BW3	MHz	18.5	19.8	23	
Amplitude Ripple in Fc±9MHz	dB	-	2	3	
Group delay ripple in Fc±9MHz	nS	-	60	100	
Attenuation:(Reference level from Min IL)					
Fc -60 to -40MHz	dB	40	46	-	
Fc -40 to -22MHz	dB	37	39	-	
Fc -22 to -16MHz	dB	30	39	-	
Fc +16 to +22MHz	dB	25	33	-	
Fc +22 to +40MHz	dB	34	36	-	
Fc +40 to +60MHz	dB	40	45	-	

Matching Configuration

1. For Single End In, Single End Out



2.For Single End In, Balance Out



$$\begin{aligned} C1 &= 15\text{pF} & C2 &= 75\text{pF} \\ C3 &= 68\text{pF} \\ L1 &= 33\text{nH} & L2 &= 27\text{nH} \end{aligned}$$

Frequency Characteristics (For Single Un. Balance Type)

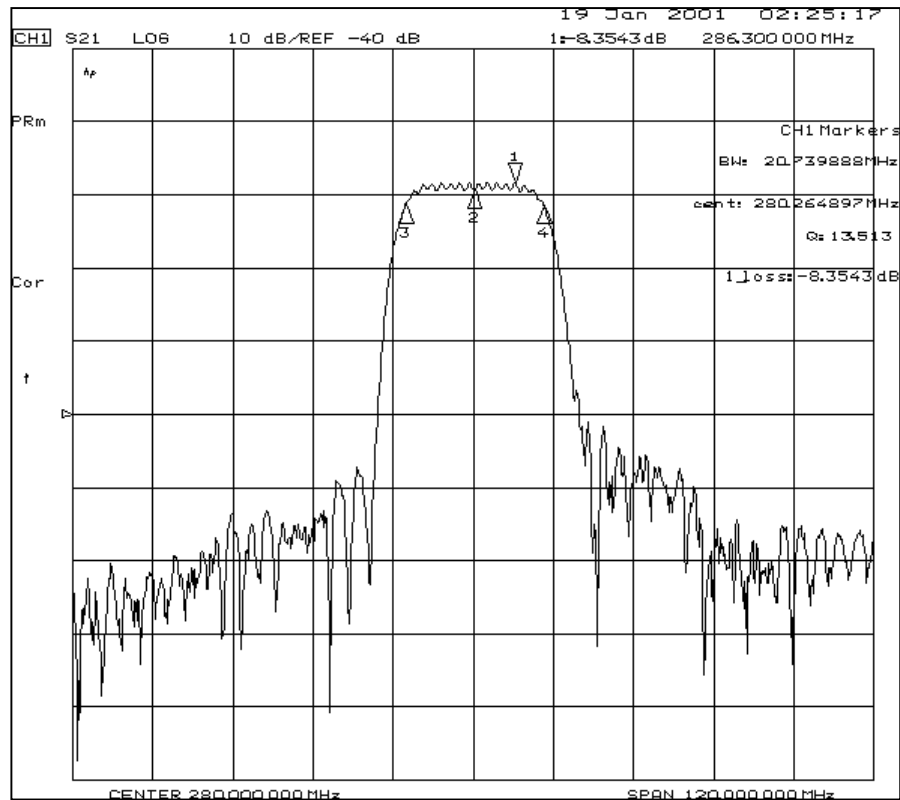


Fig-1 S21 Response

Note2: Insertion loss of balun transformers is around -0.7dB .

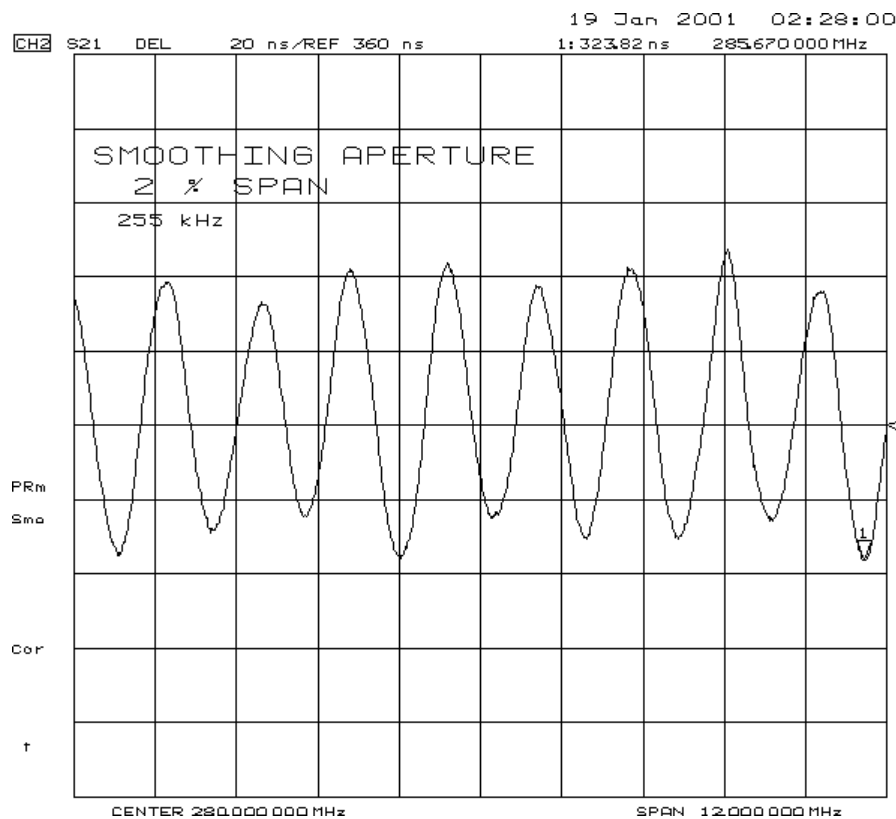
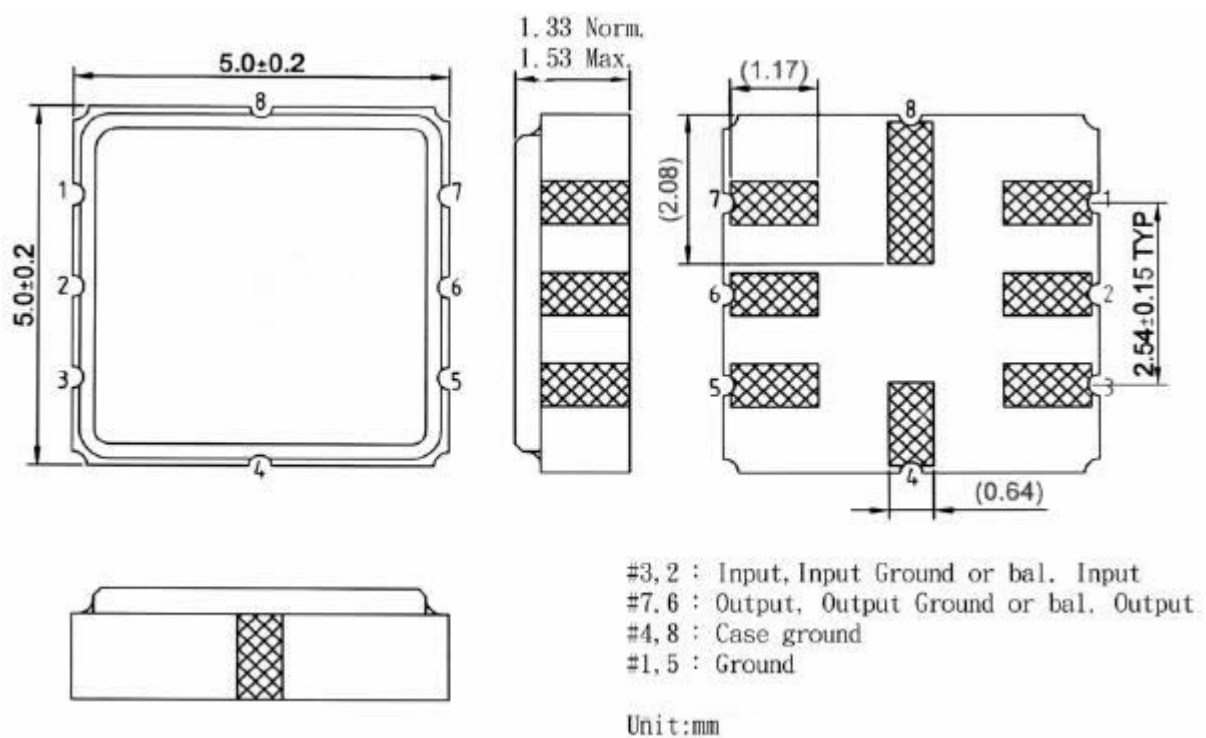


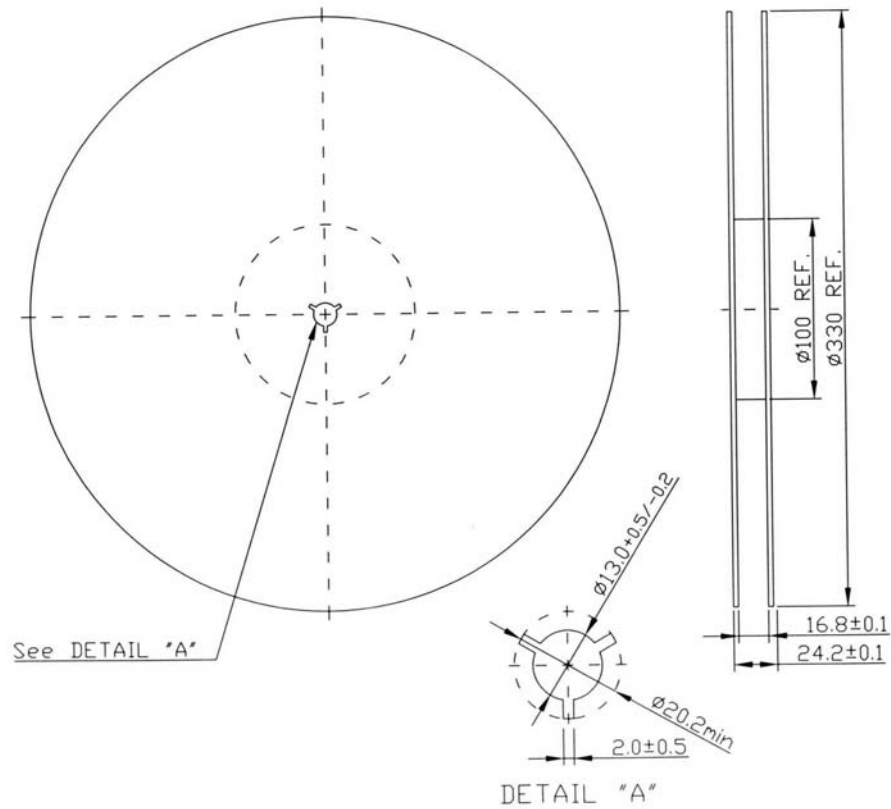
Fig-2 Group Delay

Outline Drawing

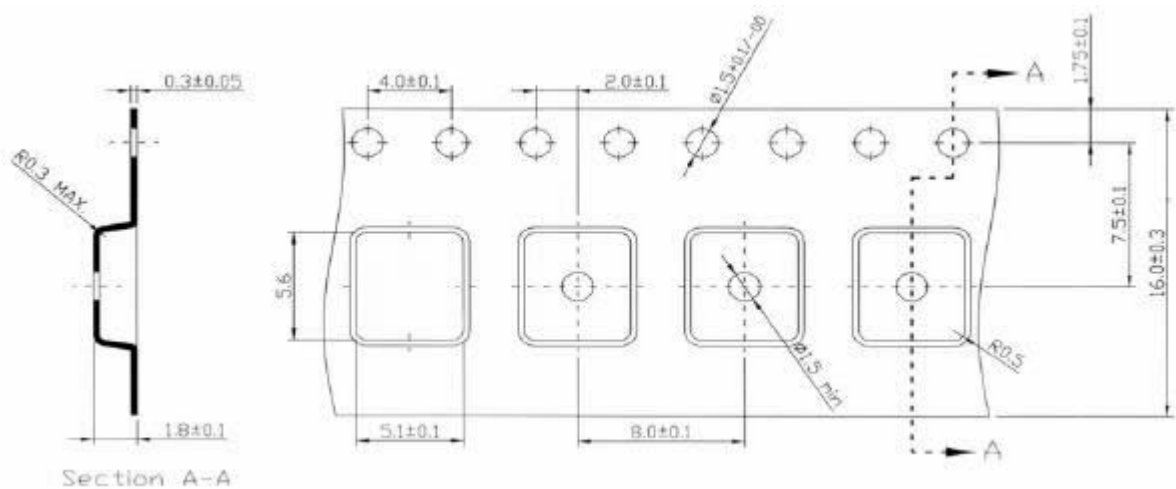


Packing

1. REEL DIMENSION



2. TAPE DIMENSION



Ao=5.30+/-1 mm

Bo=5.30+0.2/-0.0 mm

Ko=2.0+/-0.1mm