
A. MAXIMUM RATING:

1. Operating temperature range: -55°C to 85°C
2. Storage temperature range: -55°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	46.2	-
Insertion Loss, IL	dB	-	11.3	14.0
1dB Bandwidth	MHz	-	5.1	-
40dB Bandwidth	MHz	-	11.7	-
Passband Ripple Fc+/- 1.5MHz	dB	-	0.65	1.20
Absolute group Delay	us	-	0.72	-
Group Delay variation Fc+/- 1.5MHz	ns	-	90	-
Attenuation (Reference level from minimum Insertion loss)				
54.2MHz~84.2MHz	dB	30	40	-
Temperature Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	200	-
Load Impedance	Ohm	-	200	-

C. Frequency Characteristics :

(1) Wide band Response:

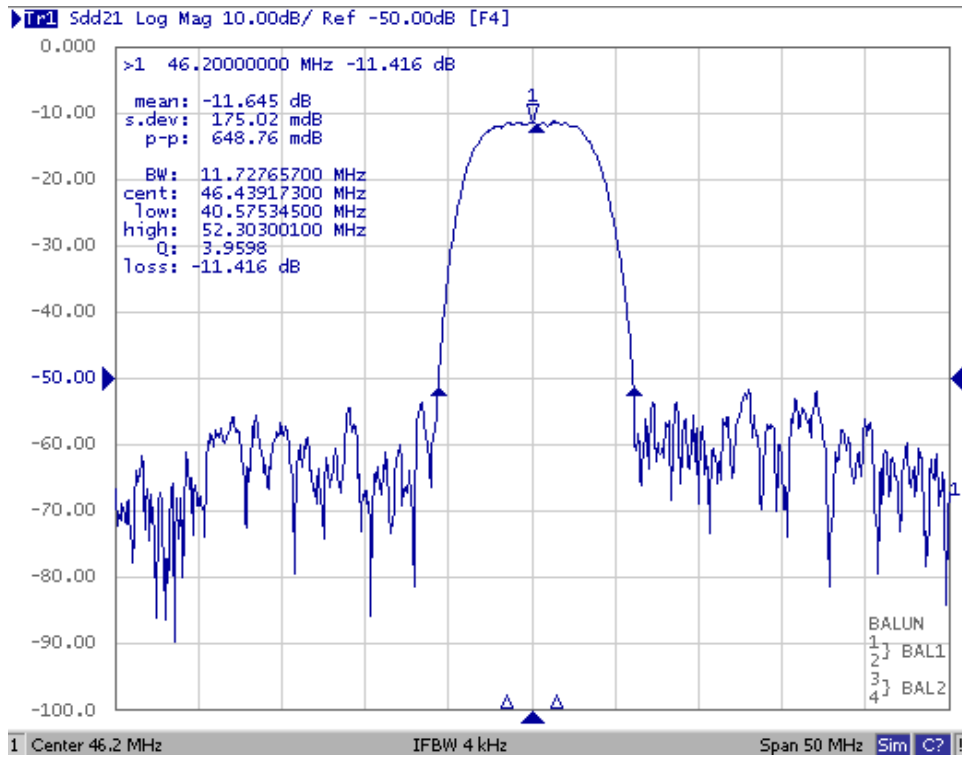


Fig1. Horizontal: 5MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Delay Response:

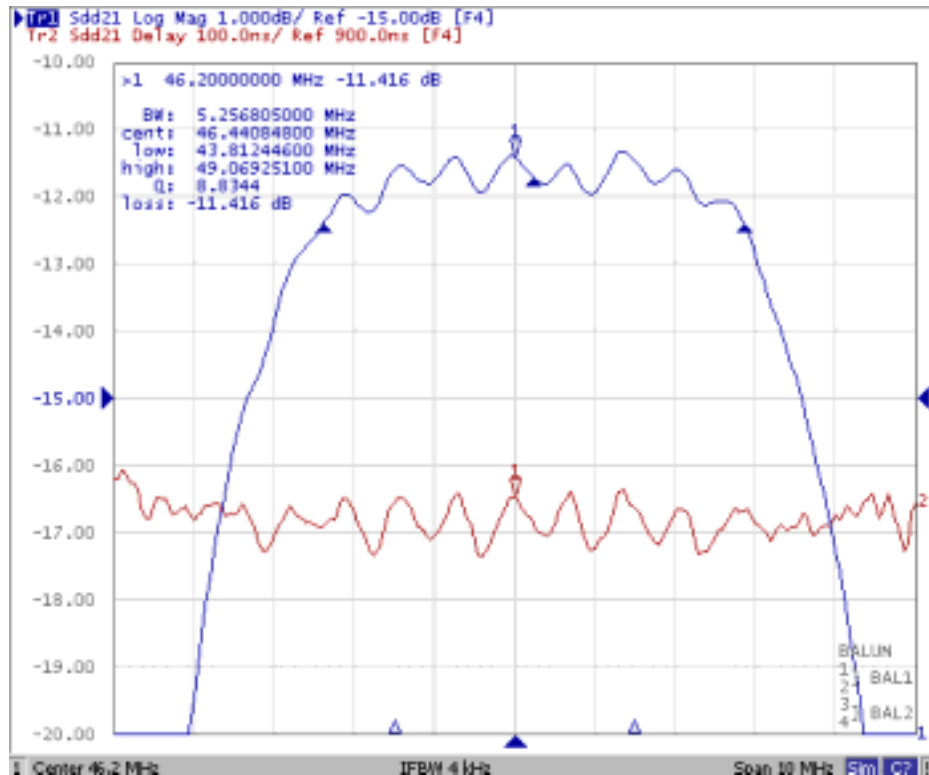
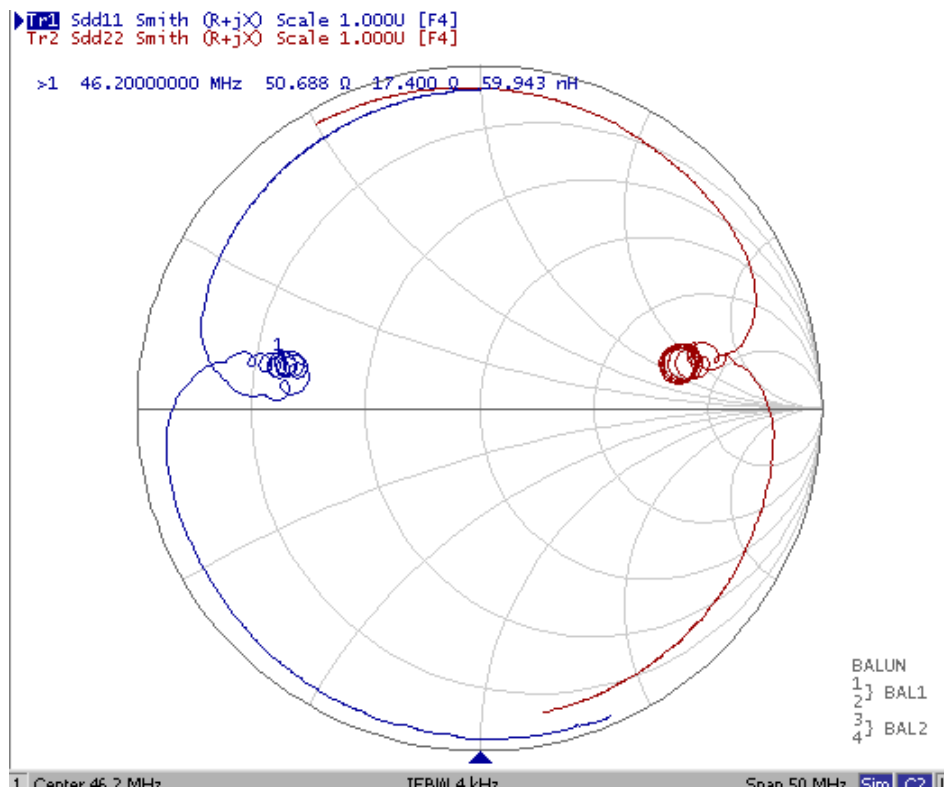
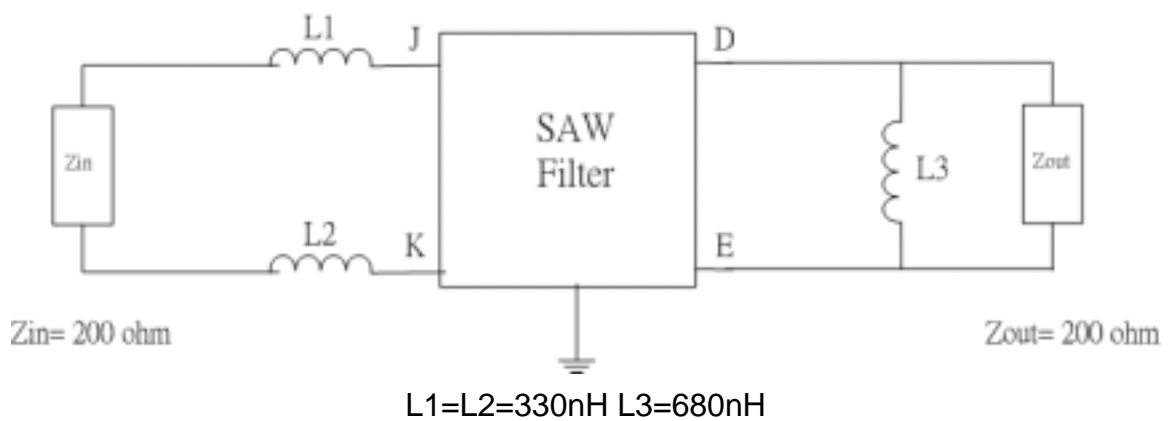


Fig2. Horizontal: 1MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

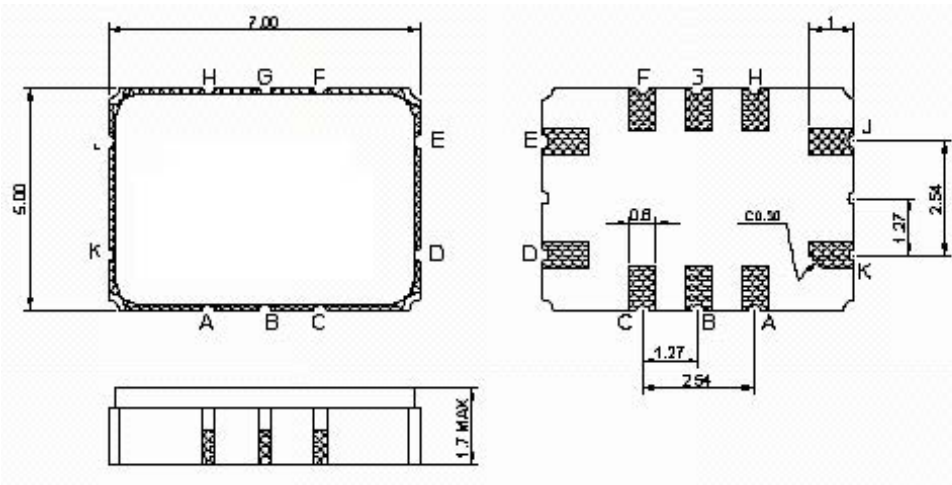
(3) Smith Chart



D. Matching Circuit:



E. Outline Drawing:



- Pin J –RF input
- Pin K –RF balance input or to be ground
- Pin D –RF output
- Pin E –RF balance output or to be ground
- Pin A,B,C,F,G,H - Ground