- **Band 28, RF-Rx Block B SAW Filter**
- **Revision 0: January 2014**

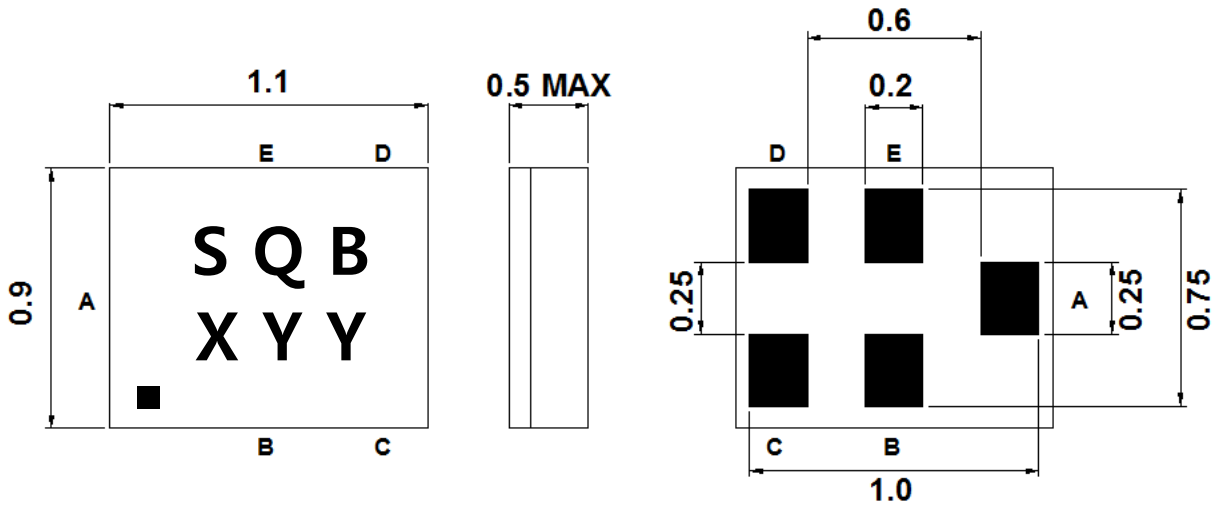
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) (1)	Ω	-	50	-
Load Impedance (Single ended) (1)	Ω	-	50	-
Package type & size	C13			
Length x Width	mm^2	-	1.1 x 0.9	-
Height	mm	-	-	0.5

ELECTRICAL SPECIFICATION				
PARAMETERS		**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	788.0	-
Insertion Loss within 773.0 ~ 803.0 MHz	dB	-	2.0	2.8
Amplitude Ripple within 773.0 ~ 803.0 MHz	dB_{p-p}	-	1.0	2.1
VSWR within 773.0 ~ 803.0 MHz	-	-	2.2	2.5
Attenuation				
703.0 ~ 718.0 MHz	dB	46	60	-
718.0 ~ 748.0 MHz	dB	46	52	-
1546.0 ~ 1606.0 MHz	dB	40	49	-
1559.0 ~ 1606.0 MHz	dB	40	49	-
2319.0 ~ 2409.0 MHz	dB	35	43	-
2400.0 ~ 2500.0 MHz	dB	35	43	-
3092.0 ~ 3212.0 MHz	dB	30	41	-
3865.0 ~ 4015.0 MHz	dB	30	39	-
4638.0 ~ 4818.0 MHz	dB	30	38	-
4900.0 ~ 5950.0 MHz	dB	30	38	-
5411.0 ~ 5621.0 MHz	dB	30	38	-
6184.0 ~ 6424.0 MHz	dB	30	39	-
6957.0 ~ 7227.0 MHz	dB	30	38	-

Notes : (1) No Matching Network .

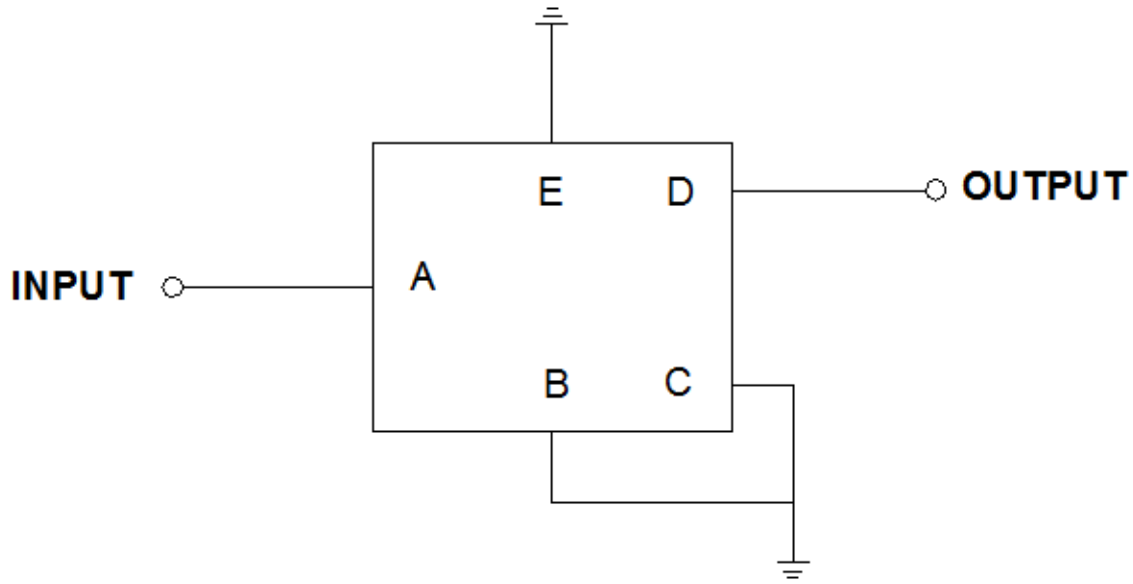
Package Dimensions



Marking Descriptions	
S	SAW Filter
QB	Series Number
X	Date Code (Year+Month)
YY	Lot No

Pin Description	
B, C, E	Ground
A	Input
D	Output

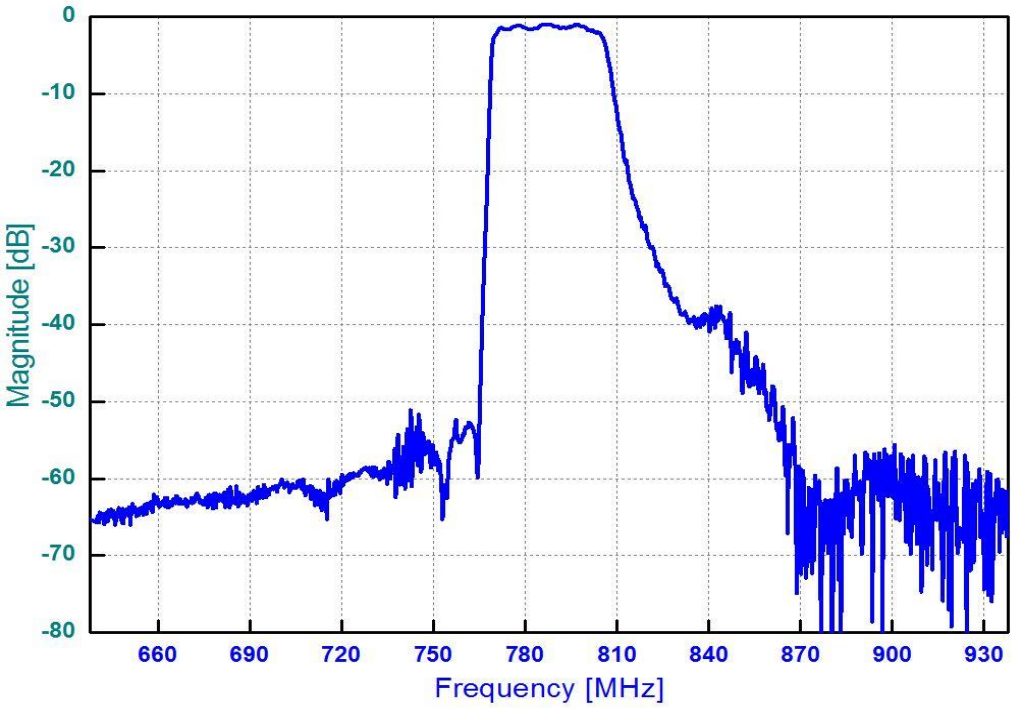
Testing Environment

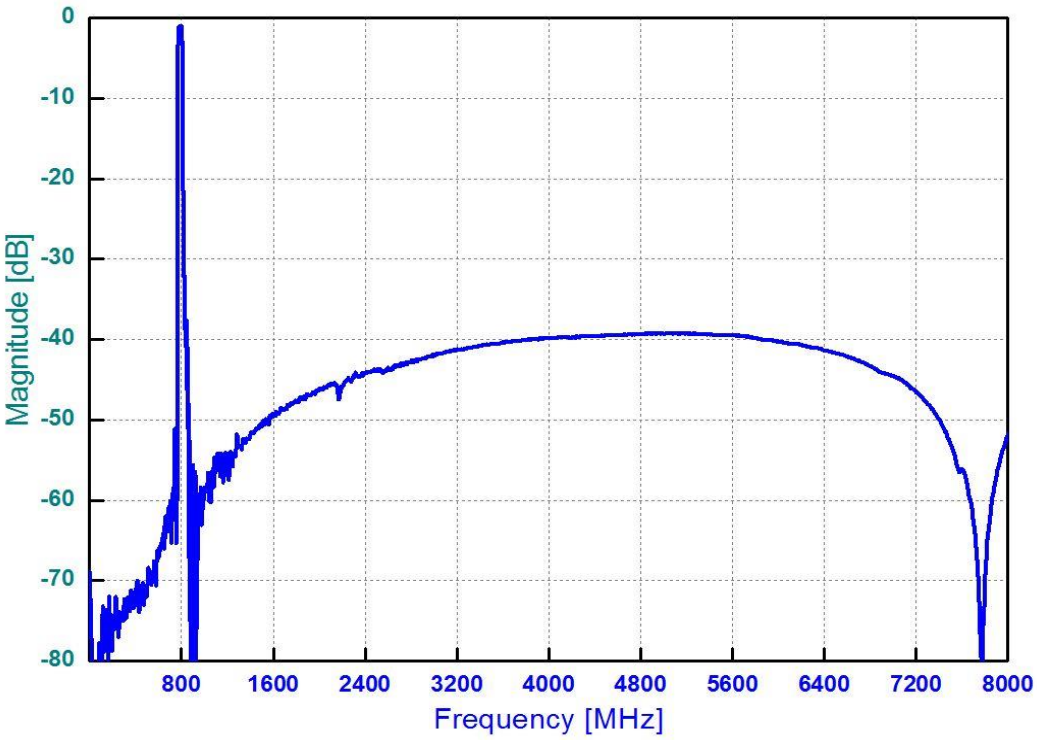


Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response





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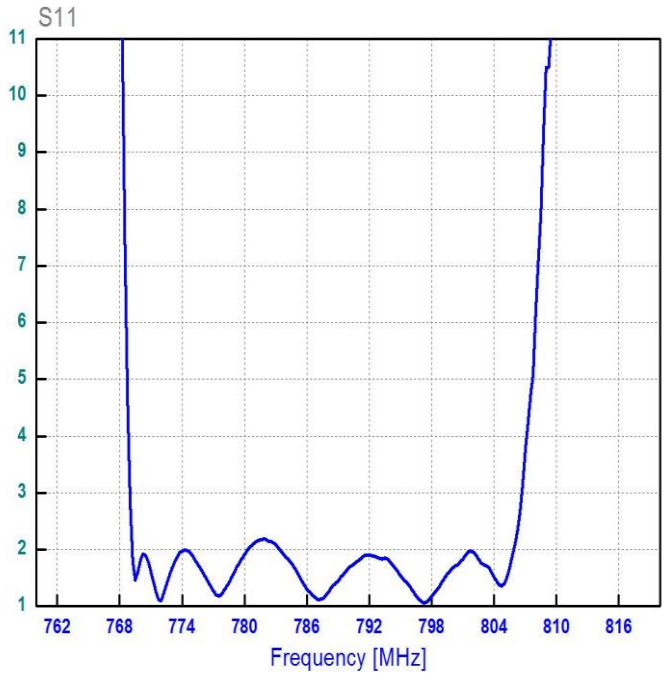
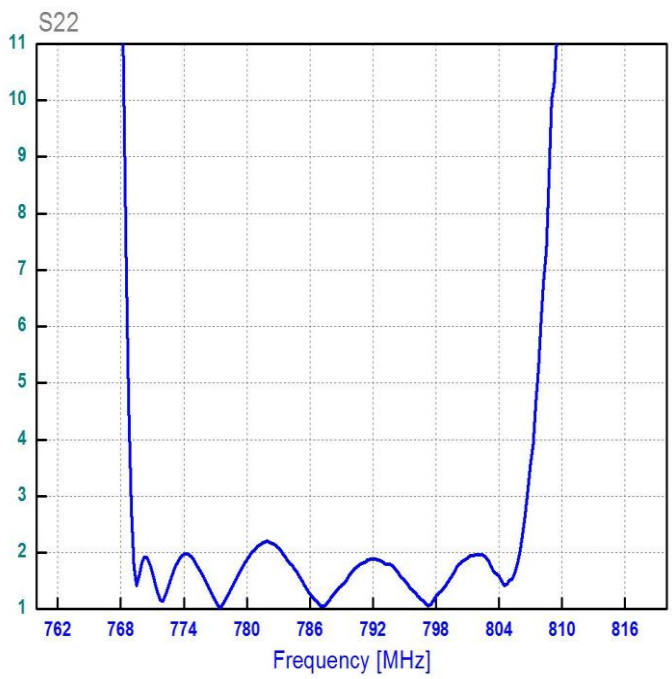
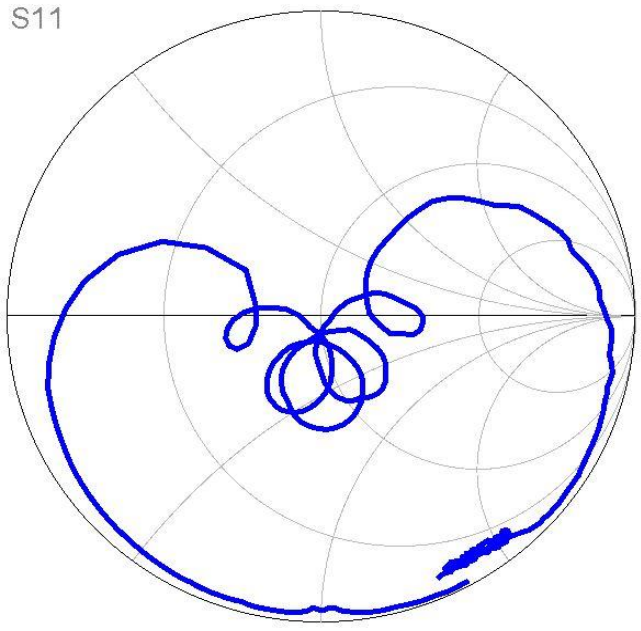
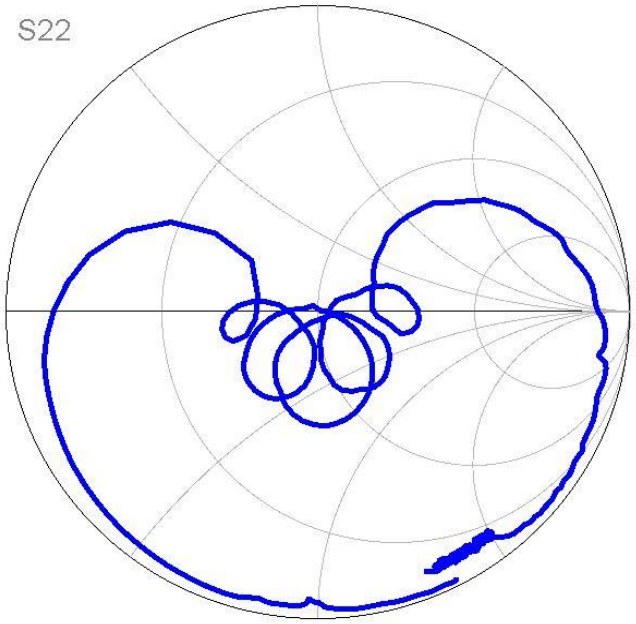
VSWR





Smith Chart





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