

- US-PCS, RF-Tx SAW Filter
- Revision 0:

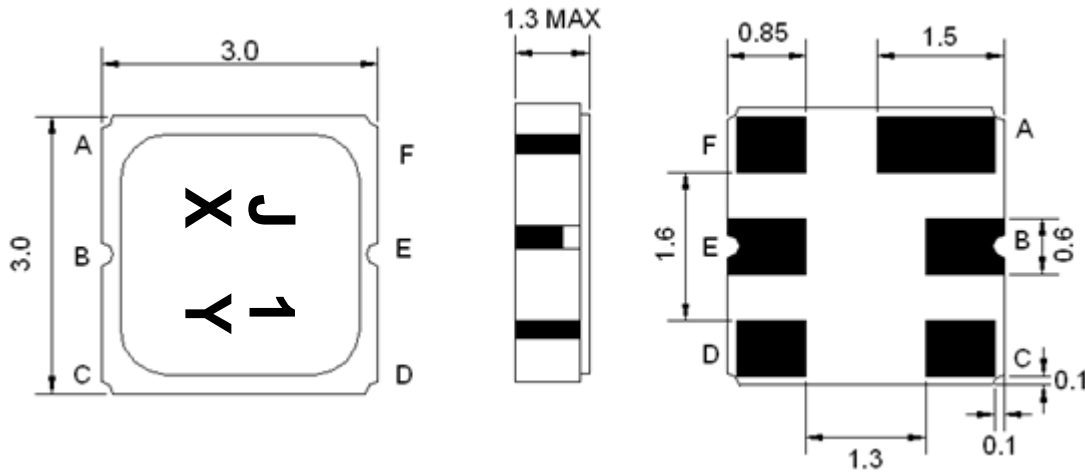
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1880	-
Insertion Loss within 1850~1910MHz	dB	-	3.0	4.0
Amplitude Ripple within 1850~1910MHz	dB _{p-p}	-	1.7	2.5
Attenuation:				
D.C. ~ 1660 MHz	dB	20	32	-
1660 ~ 1721 MHz	dB	25	32	-
1721 ~ 1800 MHz	dB	20	37	-
1930 ~ 1990 MHz	dB	7	19	-
2000 ~ 2040 MHz	dB	25	37	-
2040 ~ 2480 MHz	dB	31	38	-
3700 ~ 3820 MHz	dB	25	28	-
VSWR within 1850~1910MHz	-	-	1.8	2.2

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Dimensions



Marking Descriptions	
J	Application(US-PCS)
1	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
E	In
B	Out

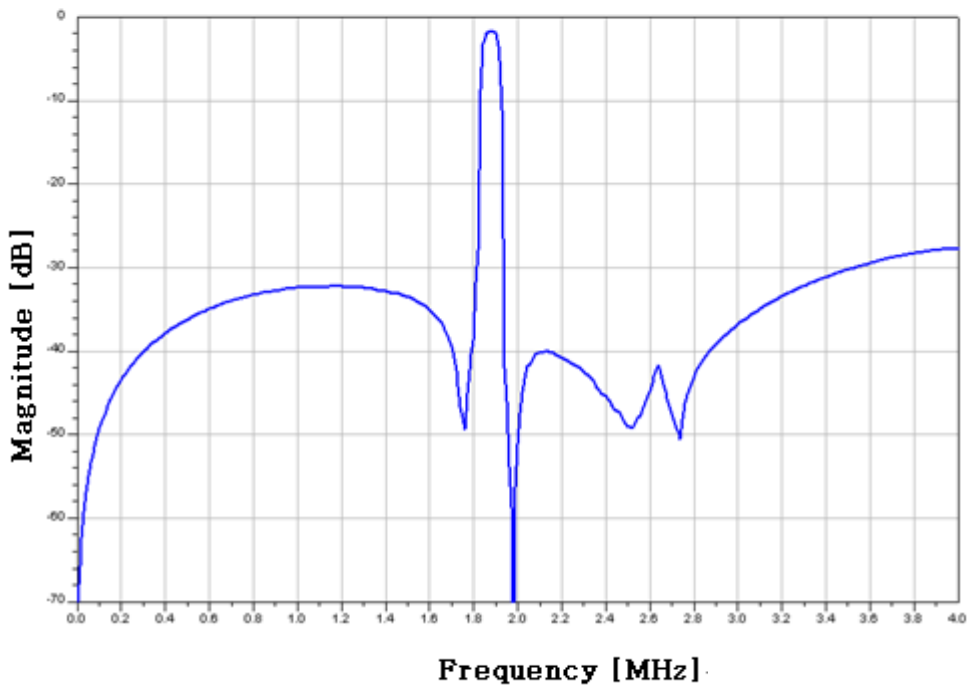
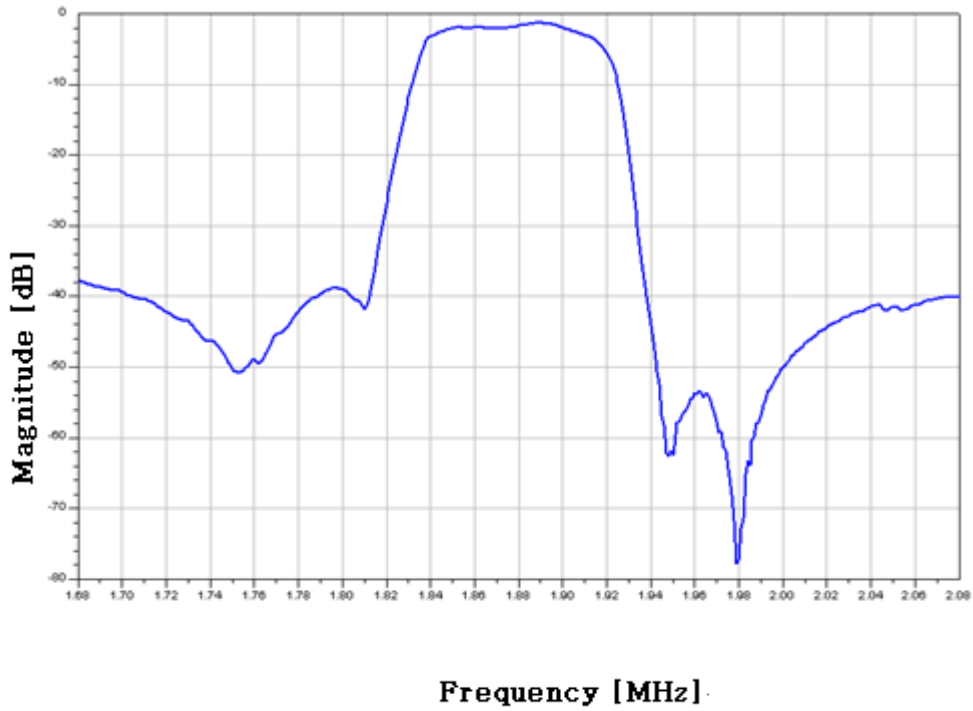
Testing Environment



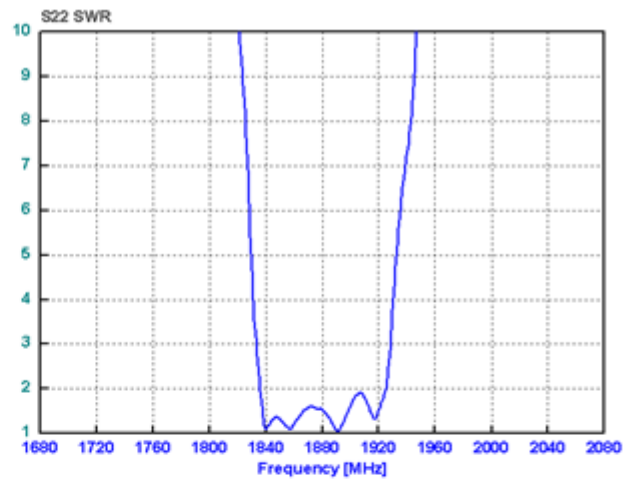
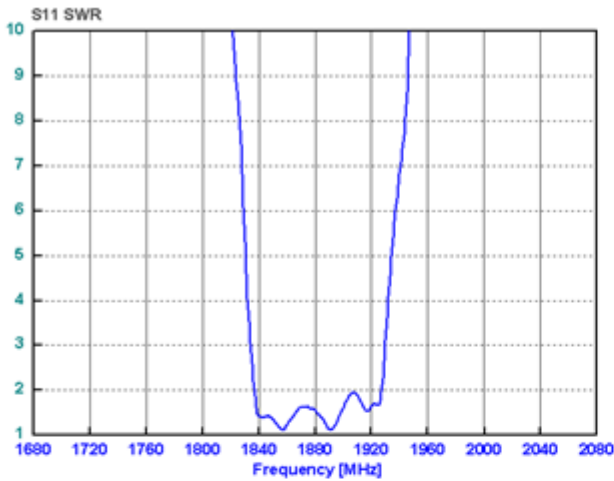
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

