

- CDMA, RF-Tx SAW Filter
- Revision 0: September 2014

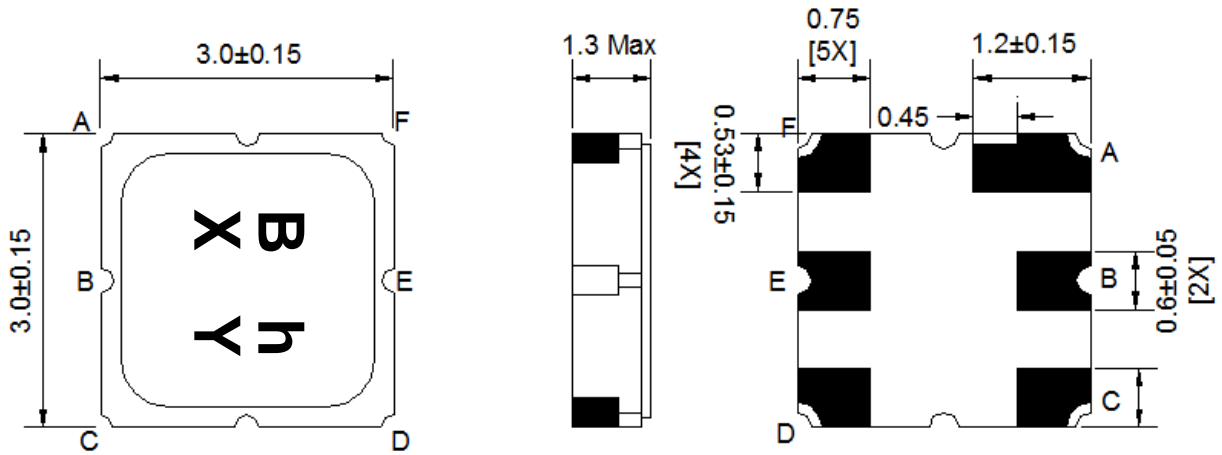
Electrical Characteristics

MAXIMUM RATINGS				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-25	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-5	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S20			
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	-	836.5	-
Insertion Loss within 824.0 ~ 849.0 MHz	dB	-	2.4	3.5
Amplitude Ripple within 824.0 ~ 849.0 MHz	dB _{p-p}	-	0.8	1.6
Attenuation:				
D.C. ~ 800.0 MHz	dB	50	55	-
859.0 ~ 869.0 MHz @25°C	dB	15	17	-
869.0 ~ 1049.0 MHz	dB	28	33	-
1049.0 ~ 1200.0 MHz	dB	50	55	-
1200.0 ~ 2000.0 MHz	dB	45	52	-
VSWR within 824.0 ~ 849.0 MHz	-	-	1.6	2.0

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

Package Dimensions



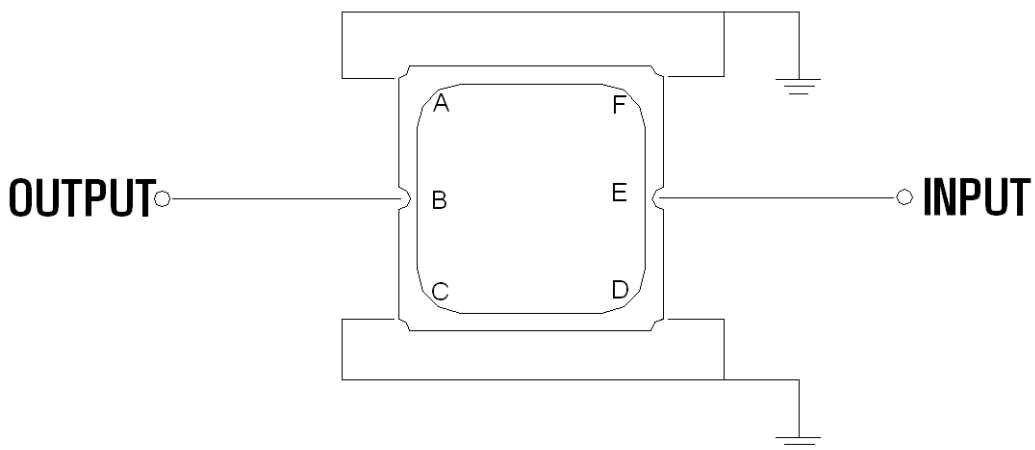
Marking Descriptions

Marking Descriptions	
B	CDMA800 Application
h	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description

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

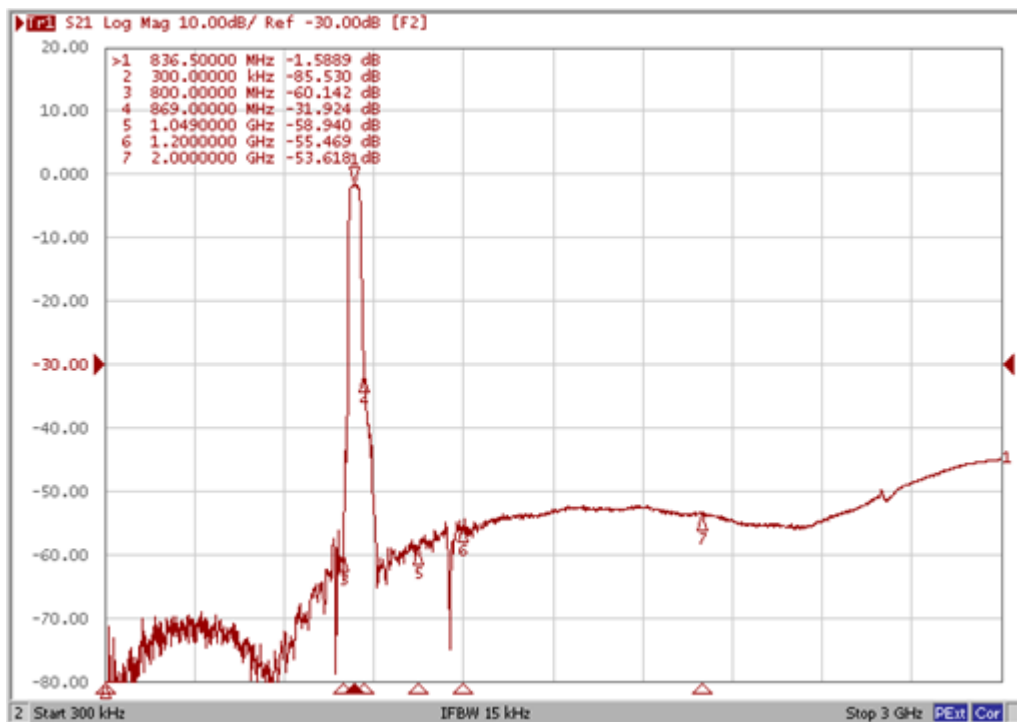
Testing Environment



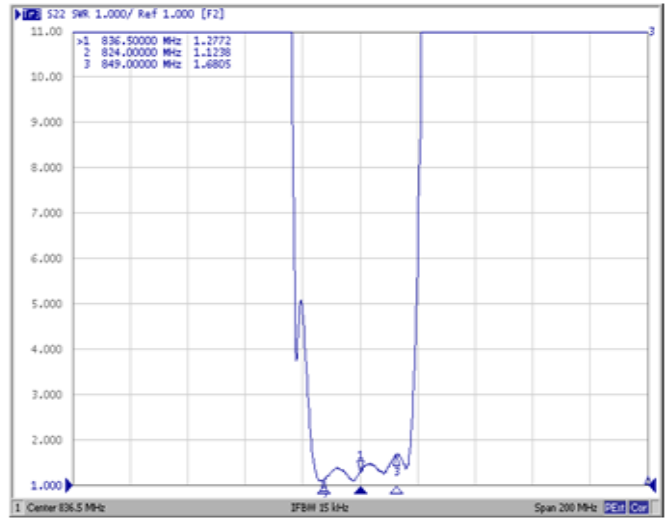
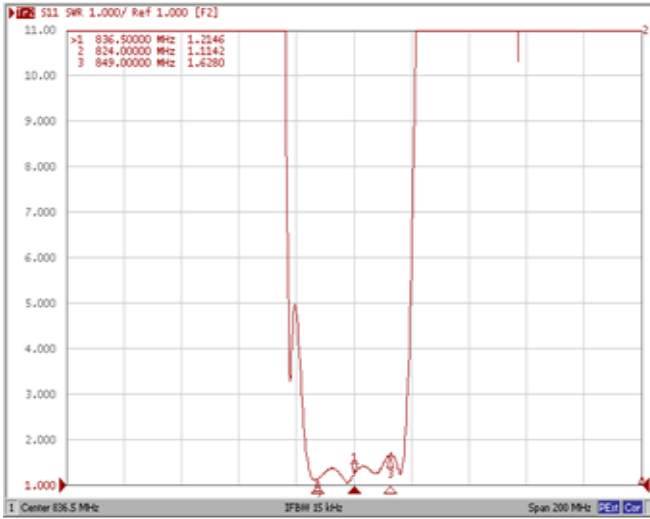
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

