



Total Solution Provider in Saw Device

SA836DM

CDMA , RF-Tx SAW Filter
Revision 0:



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

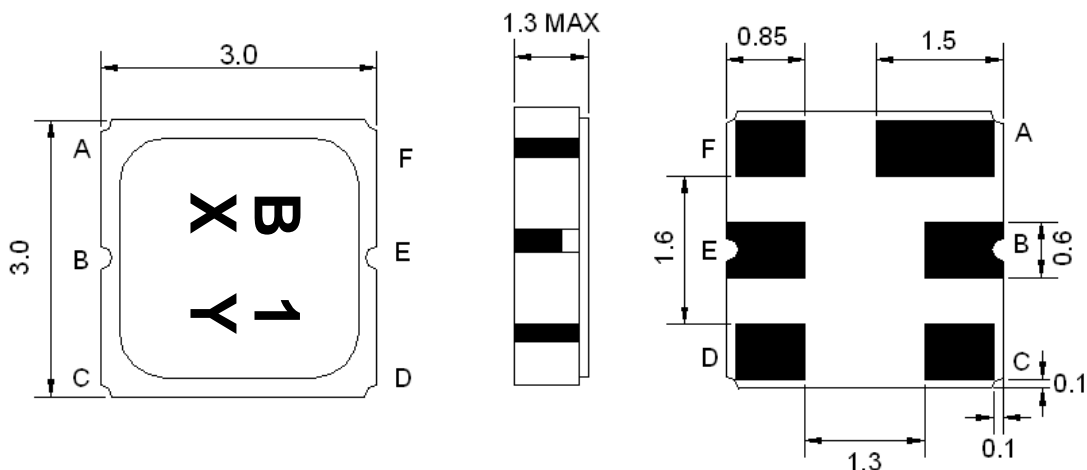
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	836.5	-
Insertion Loss within 824~849 MHz	dB	-	2.2	3.0
Amplitude Ripple within 824~849 MHz	dB _{p-p}	-	0.6	1.5
Attenuation:				
D.C. ~ 800 MHz	dB	48	53	-
869 ~ 1049 MHz	dB	27	32	-
1049 ~ 1200 MHz	dB	50	54	-
1200 ~ 2000 MHz	dB	43	48	-
VSWR within 824~849 MHz	-	-	1.5	2.0

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

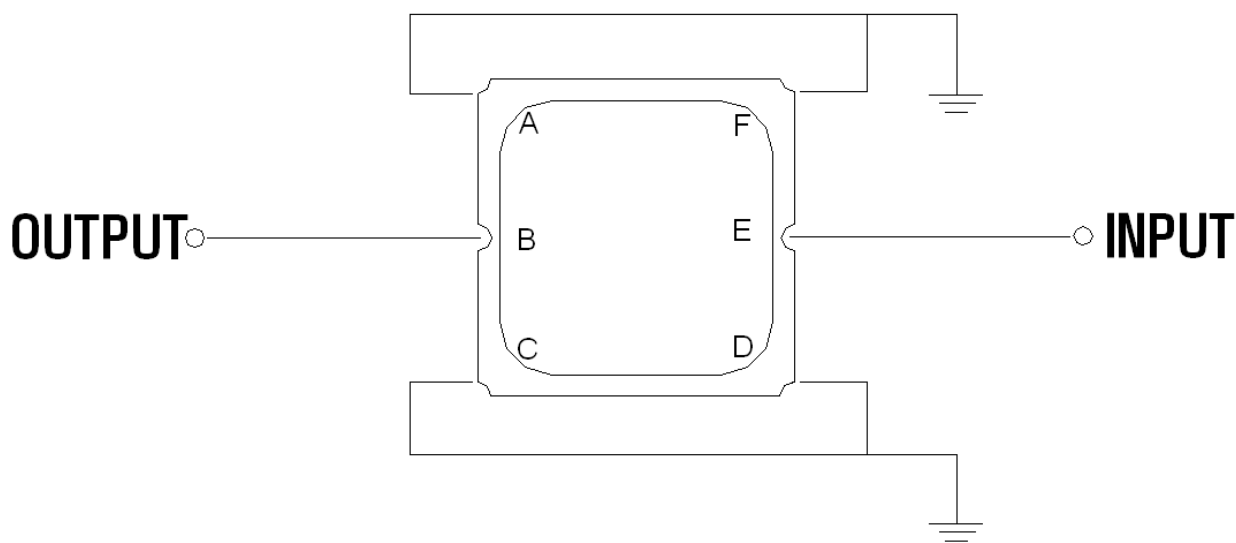
□ Package Dimensions



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

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

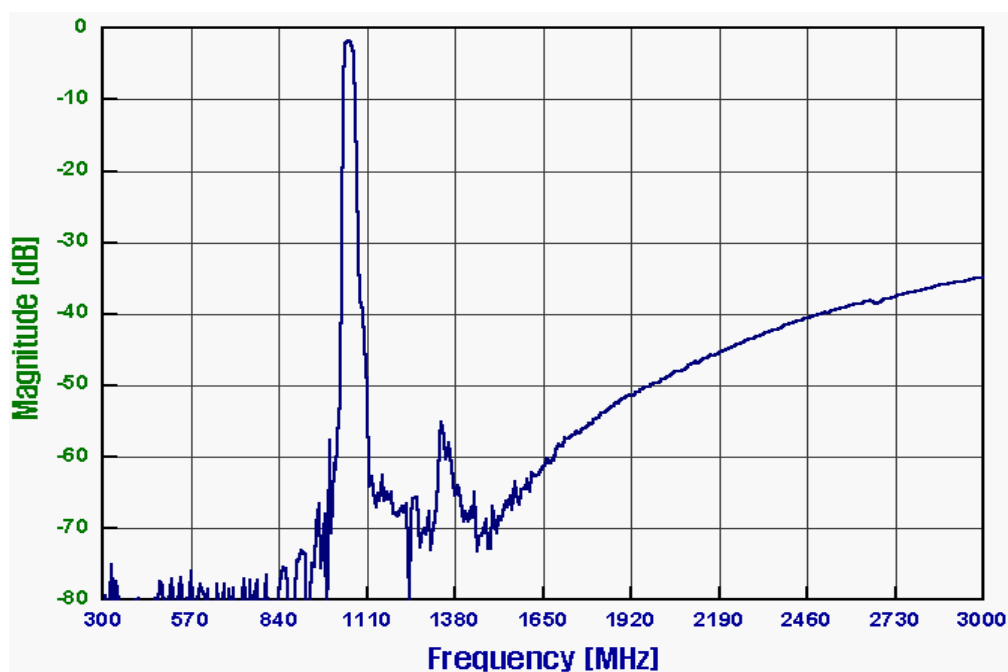
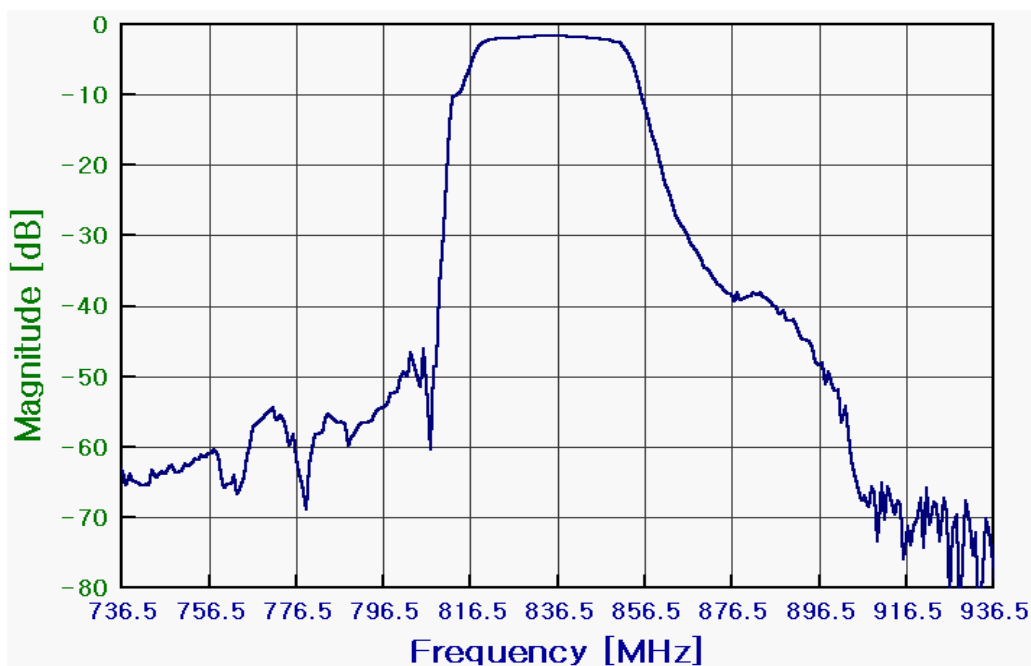
□ Testing Environment



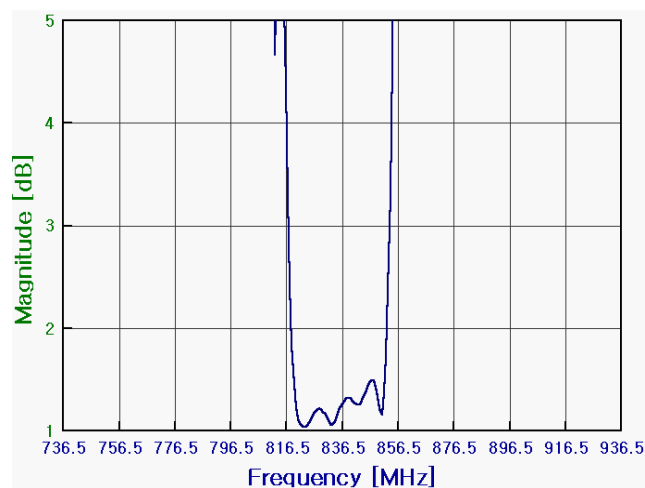
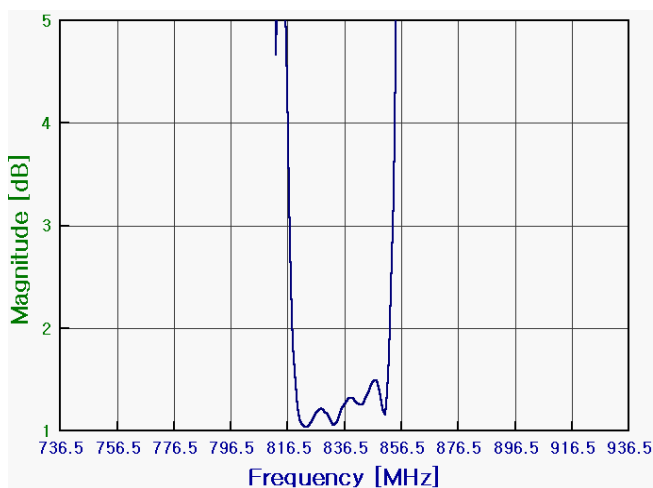
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

