

836.5 MHz CDMA RF-Tx SAW Filter

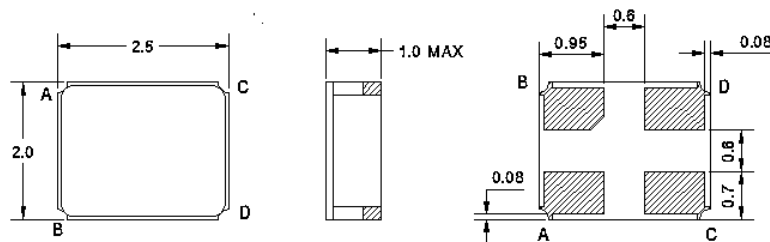
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (f_0)	MHz	-	836.5	-
Insertion Loss within 824 ~ 849 MHz	dB	-	2.2	2.8
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+80
Amplitude Ripple within 824 ~ 849 MHz	dB _{p-p}	-	0.6	1.3
Attenuation:				
D.C. ~ 790 MHz	dB	45	52	-
790 ~ 810 MHz	dB	40	45	-
869 ~ 894 MHz	dB	25	29	-
894 ~ 914 MHz	dB	33	43	-
914 ~ 2000 MHz	dB	40	49	-
2000 ~ 3000 MHz	dB	27	29	-
VSWR within 824 ~ 849 MHz	-	-	1.67	2.1
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size				
Length X Width	mm ²	-	2.5 X 2.0	-
Height	mm	-	-	1.0

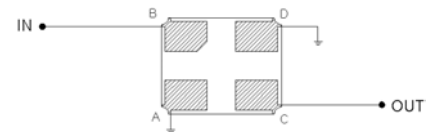
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



PIN Descriptions	
IN	B
Out	C
Ground	A,D

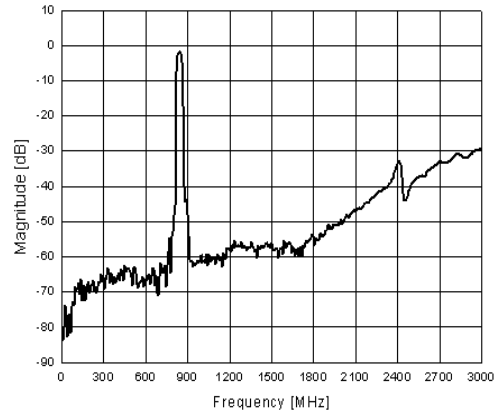
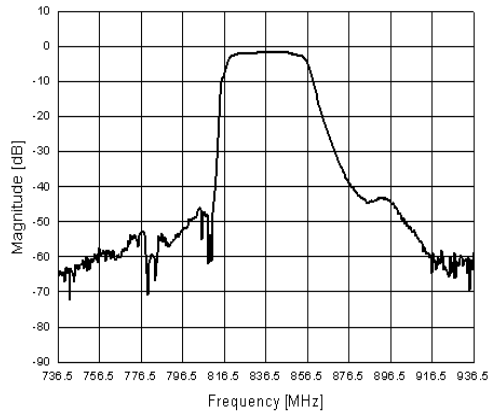
Testing Environment

Source & Load Impedance 50 Ω

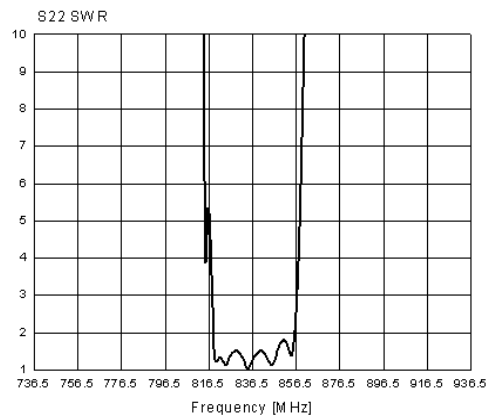
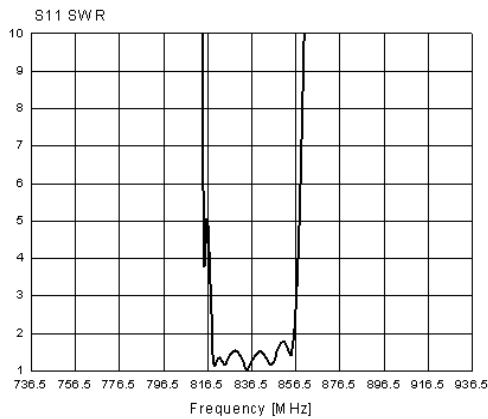
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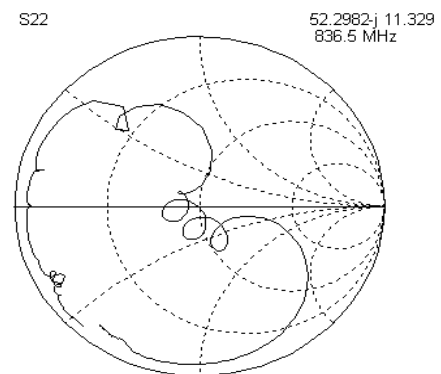
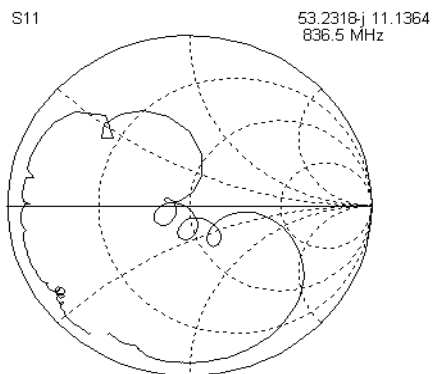
Frequency Response



VSWR



Smith Chart



SAW PRODUCTS

COM DEV