

939 MHz Wireless, RF SAW Filter

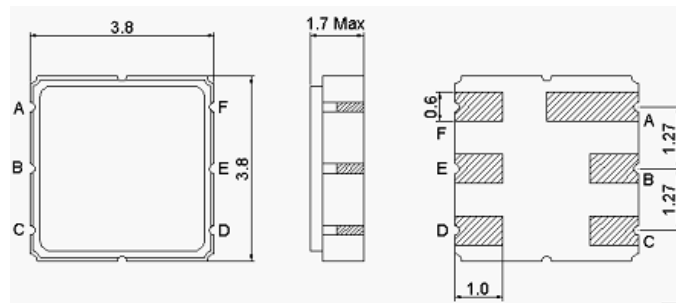
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (f_0)	MHz	-	939.0	-
Insertion Loss 936 ~ 942 MHz	dB	-	2.5	3.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+65
Amplitude Ripple within 936 ~ 942 MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
D.C. ~ 840 MHz	dB	50	65	-
840 ~ 894 MHz	dB	45	55	-
984 ~ 1000 MHz	dB	40	43	-
1000 ~ 1500 MHz	dB	50	60	-
1500 ~ 2000 MHz	dB	40	45	-
VSWR within 936 ~ 942 MHz	-	-	1.5	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size				
Length X Width	mm ²	-	3.8 X 3.8	-
Height	mm	-	-	1.7

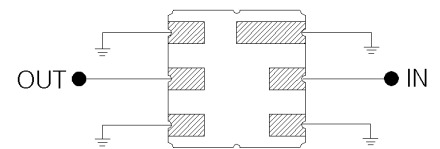
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



PIN Descriptions	
IN	B
Out	E
Ground	A,C,D,F

Testing Environment



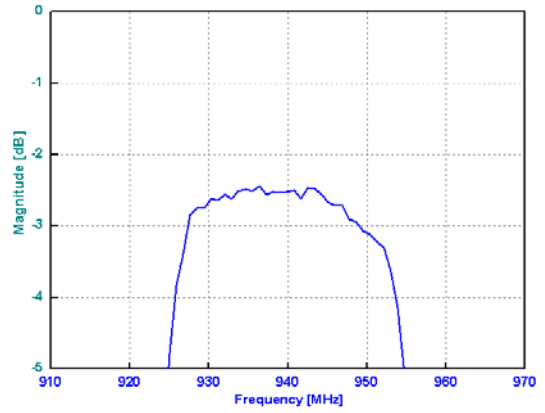
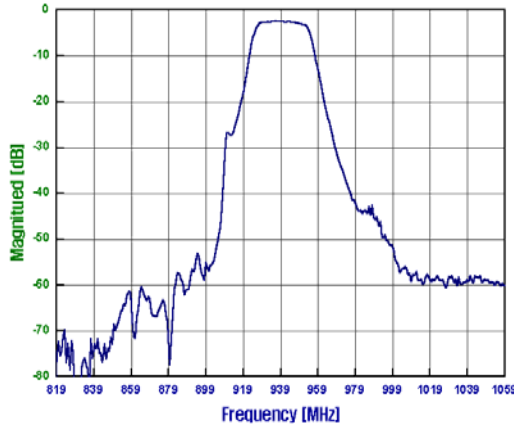
Source & Load Impedance 50 Ω

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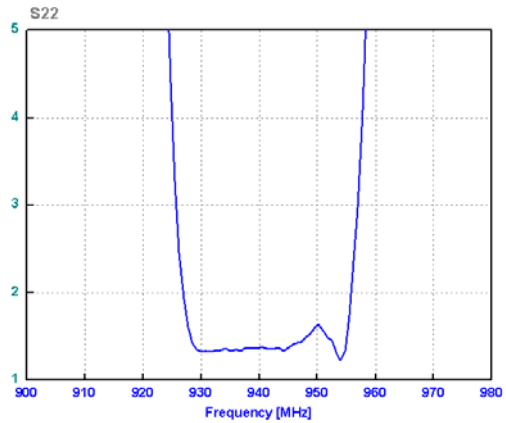
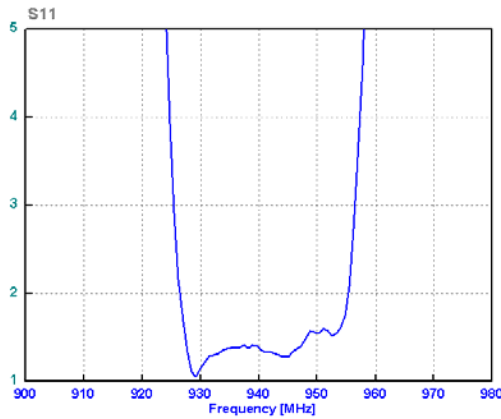
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SAW PRODUCTS

Frequency Response



VSWR



Smith Chart

