

942 MHz SAW Filter

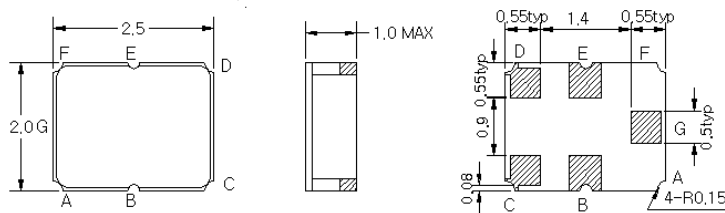
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (Fo)	MHz	-	942.5	-
Insertion Loss within 925~960MHz	dB	-	2.8	4.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω //nH	-	150//72	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+85
Amplitude Ripple within 925~960MHz	dB _{p-p}	-	1.0	2.4
Attenuation:				
D.C. ~ 880 MHz	dB	50	52	-
880 ~ 905 MHz	dB	30	44	-
905 ~ 915 MHz	dB	10	27	-
980 ~ 1050 MHz	dB	21	27	-
1050 ~ 6000 MHz	dB	50	54	-
Input/Output VSWR within 925~960 MHz	-	-	1.8	2.5
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Symmetry in band (925~960 MHz)				
Output Amplitude balance ($ S_{31} / S_{21} $)	dB	-1.3	0	1.2
Output phase balance ($\Phi(s_{31})-\Phi(s_{21})+180$)	degree	-10	0	10

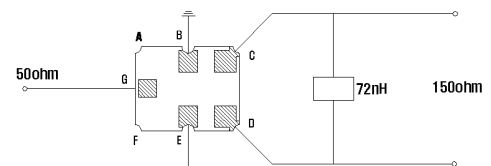
Notes: ⁽¹⁾ With Matching Network

Package Outline



PIN Descriptions	
IN	G
Out	C,D
Ground	B,E

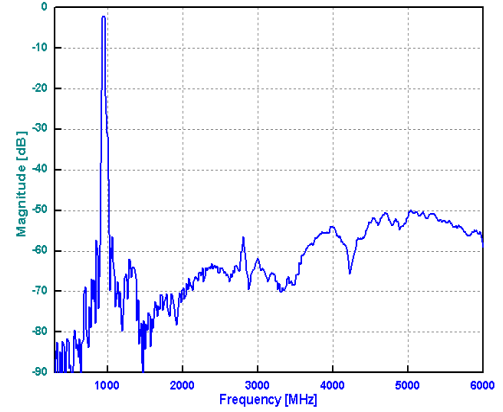
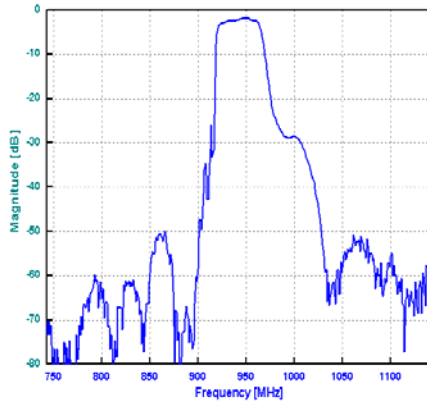
Testing Environment



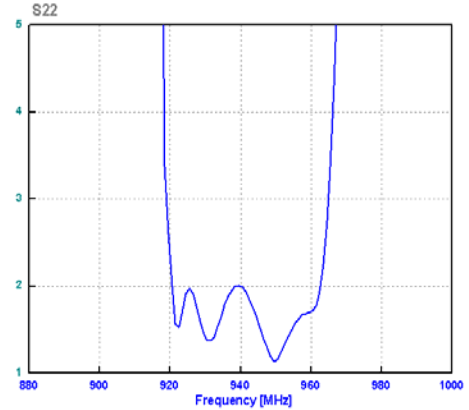
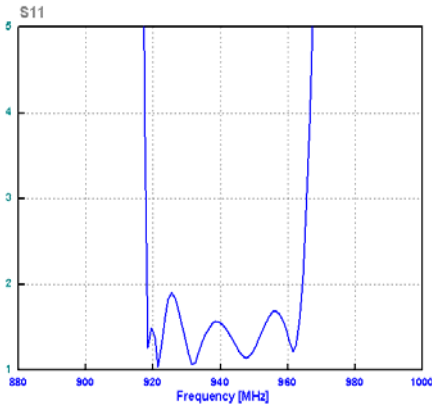
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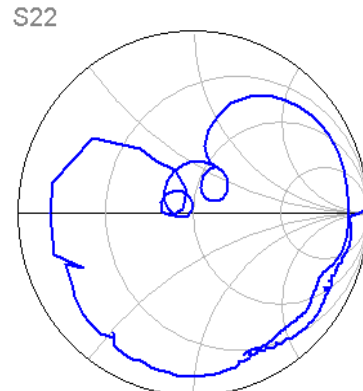
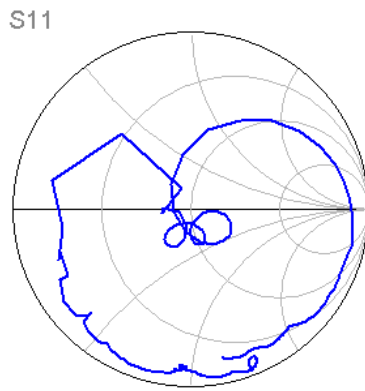
Frequency Response



VSWR



Smith Chart



SAW PRODUCTS

COM DEV