

1575 MHz GPS, RF SAW Filter

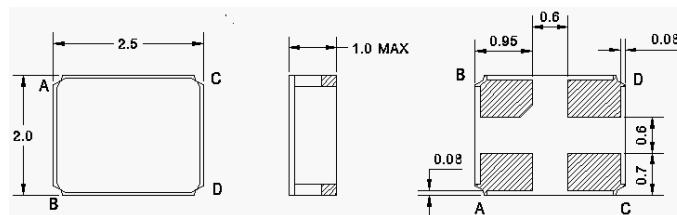
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (f_0)	MHz	-	1575.42	-
Insertion Loss within 1574.42 ~ 1576.42 MHz	dB	-	2.0	2.5
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-40	-	+85
Amplitude Ripple within 1574.42 ~ 1576.42 MHz	dB _{p-p}	-	0.2	0.7
Attenuation:				
D.C. ~ 1450 MHz	dB	35	39	-
1450 ~ 1520 MHz	dB	36	41	-
1640 ~ 1710 MHz	dB	40	45	-
1710 ~ 1750 MHz	dB	45	52	-
1750 ~ 1910 MHz	dB	42	46	-
1910 ~ 2000 MHz	dB	40	45	-
VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.1	1.5
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	20
Package type & size				
Length X Width	mm ²	-	2.5 X 2.0	-
Height	mm	-	-	1.0

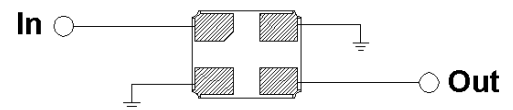
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



PIN Descriptions	
IN	B
Out	C
Ground	A,D

Testing Environment

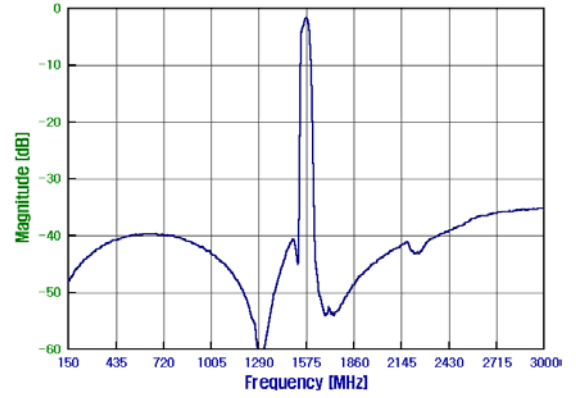
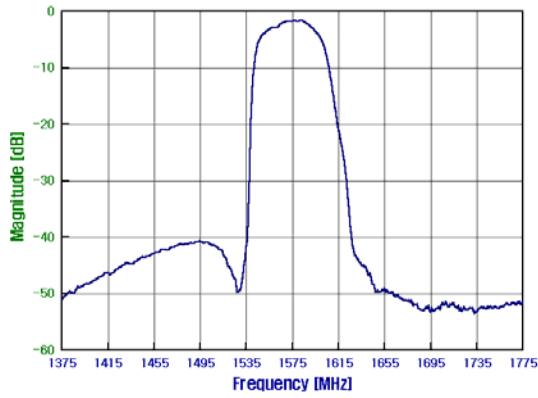


Source & Load Impedance 50 Ω

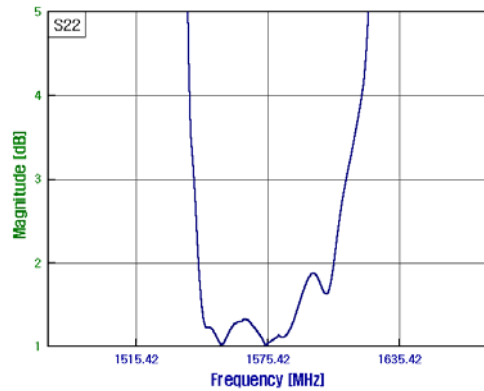
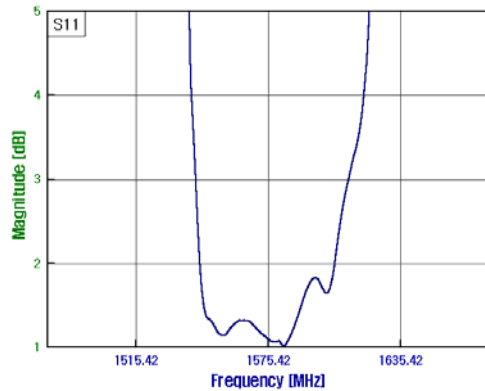
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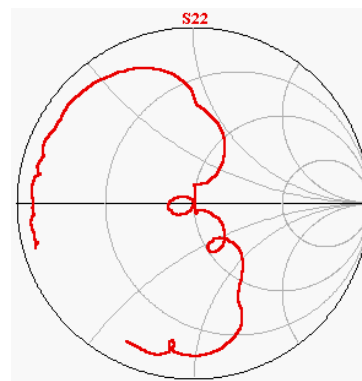
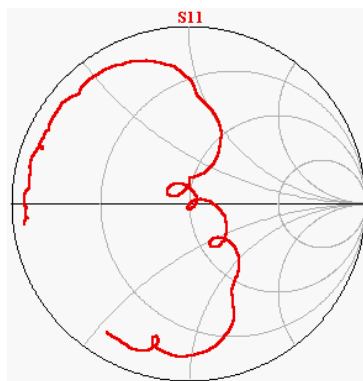
Frequency Response



VSWR



Smith Chart



SAW PRODUCTS

COM DEV