

947 MHz GSM, RF SAW Filter

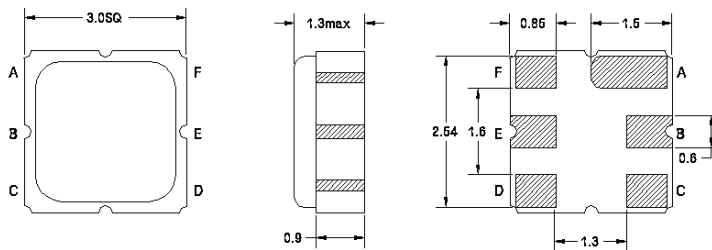
162968

Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (f_0)	MHz	-	947.5	-
Insertion Loss within 935 ~ 960 MHz	dB	-	3.2	4.0
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 935 ~ 960 MHz	dB _{p-p}	-	0.8	1.5
Attenuation:				
D.C. ~ 870 MHz	dB	45	53	-
870 ~ 915 MHz	dB	40	45	-
980 ~ 985 MHz	dB	28	32	-
985 ~ 1025 MHz	dB	29	34	-
1025 ~ 1500 MHz	dB	42	48	-
1500 ~ 2000 MHz	dB	40	47	-
2000 ~ 3000 MHz	dB	35	39	-
VSWR within 935 ~ 960 MHz	-	-	1.7	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size				
Length X Width	mm ²	-	3.0 X 3.0	-
Height	mm	-	-	1.3

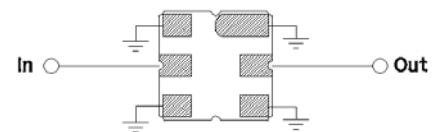
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



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

Testing Environment



Source & Load Impedance 50 Ω

SAW PRODUCTS

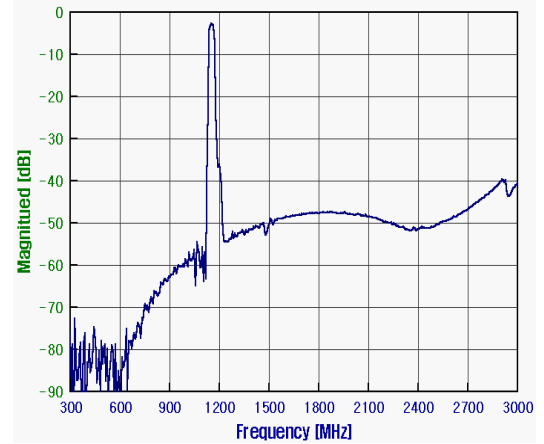
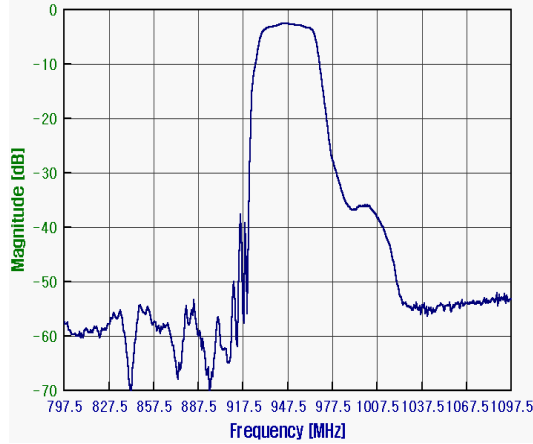
COM DEV

947 MHz GSM, RF SAW Filter

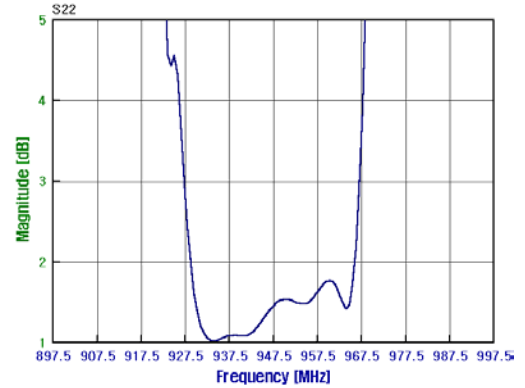
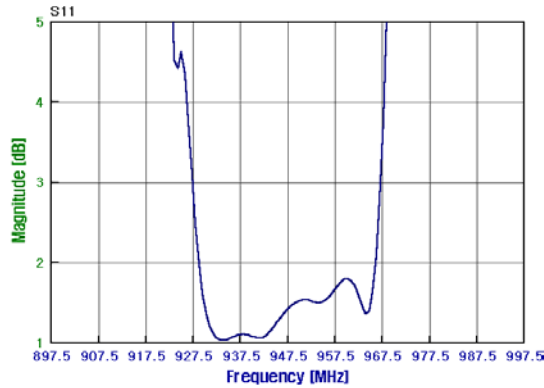
162968

SAW PRODUCTS

Frequency Response



VSWR



Smith Chart

