



Data Sheet



Product Category: RF SAW Filter

Part Number	Package	Application	Last Modified
802-RF947.5M-B	3.0 x 3.0 SMD	GSM	Mar. 10, 2007

TYPE :
GSM, RF SAW Filter



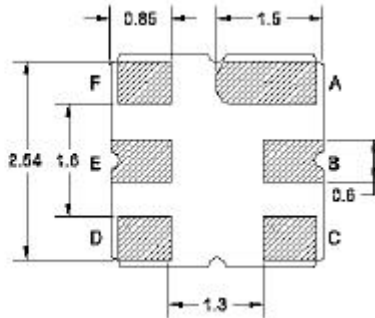
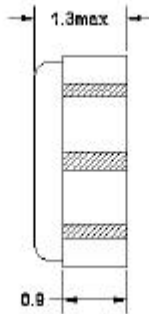
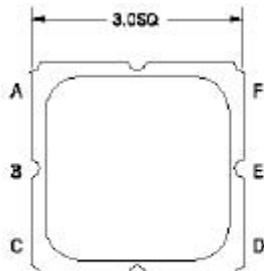
PART NUMBER :
802-RF947.5M-B

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Condition	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	-	947.5	-	MHz
Maximum Insertion Loss	935.0~ 960.0 MHz	-	3.2	4.0	dB
Attenuation:	D.C.~ 870.0 MHz	45	53	-	dB
	870.0.~ 915.0 MHz	40	45	-	
	980.0.~ 985.0 MHz	28	32	-	
	985.0.~ 1025.0 MHz	29	34	-	
	1025.0.~ 1500.0 MHz	42	48	-	
	1500.0.~ 2000.0 MHz	40	47	-	
2000.0~ 3000.0 MHz	35	39	-	-	
Source Impedance (single ended)*	-	-	50	-	ohm
Load Impedance (single ended)*	-	-	50	-	ohm
VSWR	935.0~ 960.0 MHz-	-	1.7	2.0	V
Amplitude Ripple	935.0~ 960.0 MHz	-	0.8	1.5	dBp-p
Maximum DC Voltage	-	-	-	5	V
Maximum Input Power	-	-	-	15	dBm
Operating Temperature	-	-30	-	+80	°C

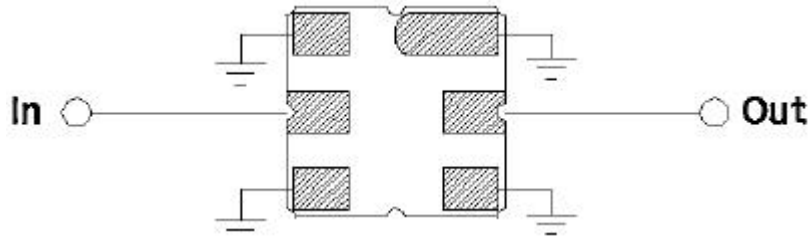
* No Matching Network(Ref. Testing Enviroment Circuit as shown below)

PACKAGE OUTLINE (mm)



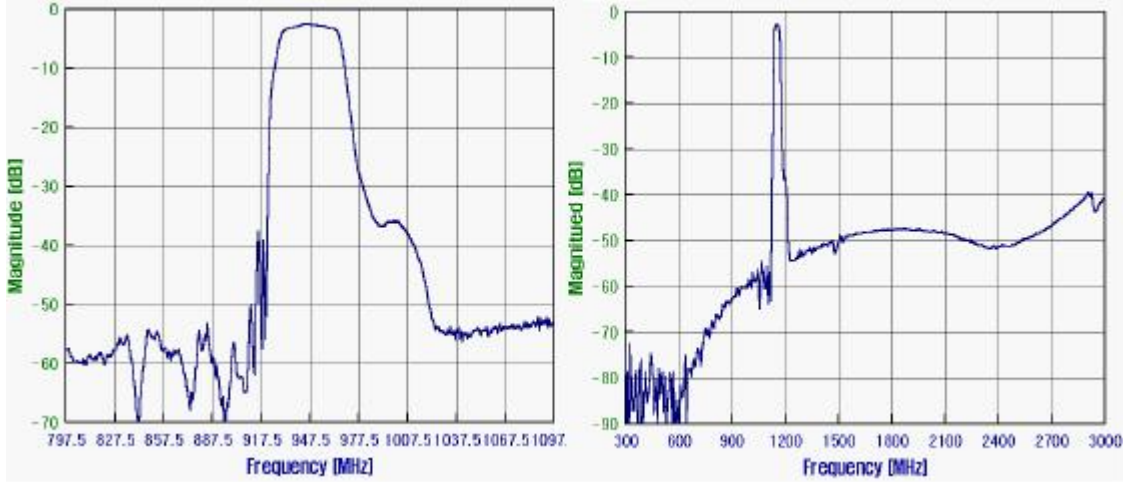
PIN LAYOUT	
A	Ground
B	Out
C	Ground
D	Ground
E	In
F	Ground

TEST FIXTURE

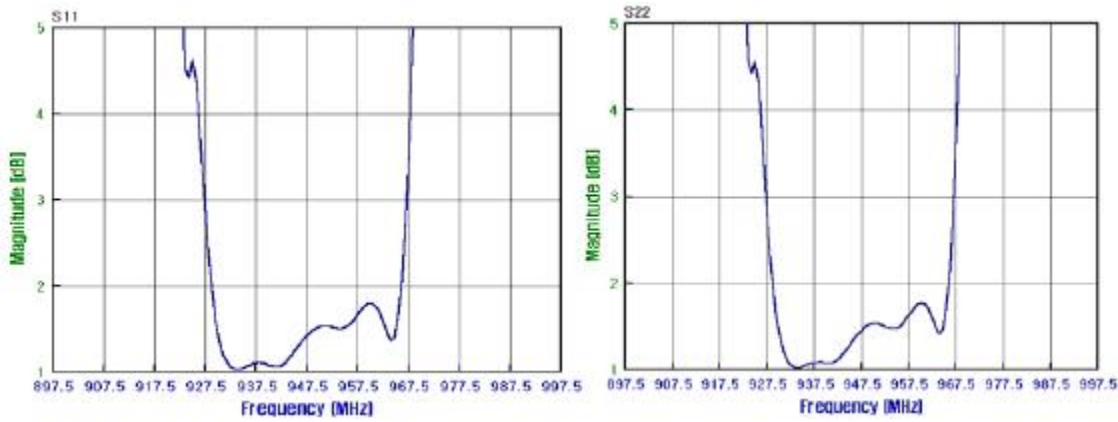


Load/ Source Impedance = 50 ohms

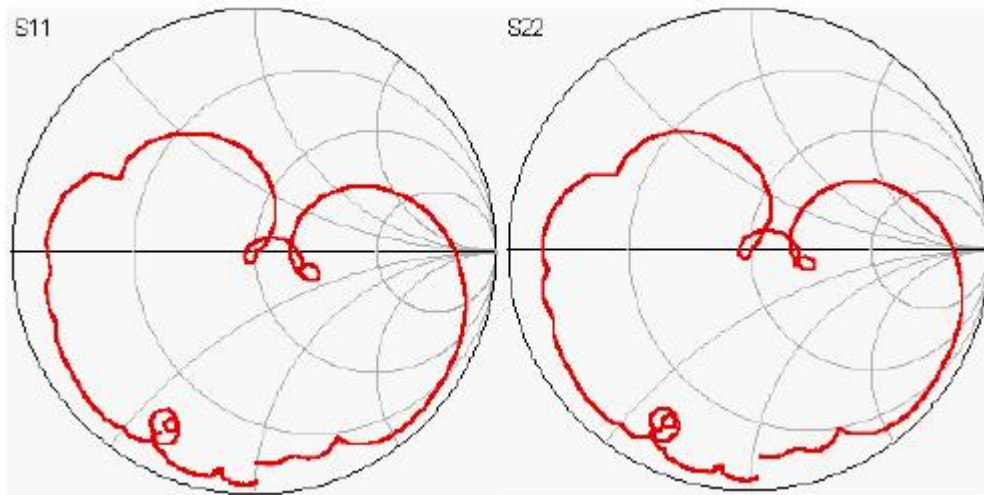
FREQUENCY RESPONSE



VSWR



SMITH CHART



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