



Part Number	Package	Application	Last Modified
802-RF810.0M-A	3.0 x 3.0 SMD	Wireless	Mar.10, 2007

TYPE :  
Wireless, RF SAW Filter



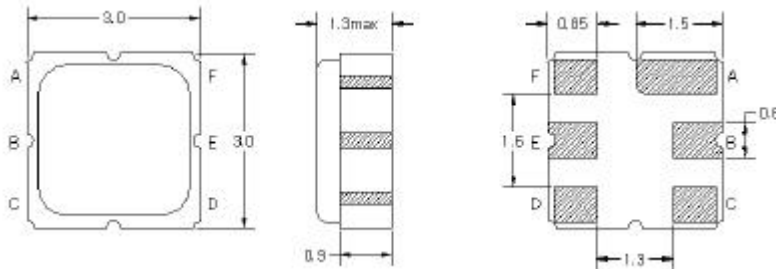
PART NUMBER :  
**802-RF810.0M-A**

**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Condition	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	-	810.0	-	MHz
Maximum Insertion Loss	805.0~ 815.0 MHz	-	2.9	3.5	dB
Source Impedance (single ended)*	-	-	50	-	ohm
Load Impedance (single ended)*	-	-	50	-	ohm
Operating Temperature Range	-	-40	-	+85	°C
Amplitude Ripple	805.0~ 815.0 MHz	-	0.6	1.5	dBp-p
10 dB Bandwidth	-	-	24.5	30.0	MHz
20 dB Bandwidth	-	-	30.0	40.0	MHz
40 dB Bandwidth	-	-	49.0	60.0	MHz
Group Delay Variation	805.0~ 815.0 MHz	-	20.0	40.0	nsec
Maxium DC Voltage	-	-	-	5	V
Maxium Input Power	-	-	-	10	dBm

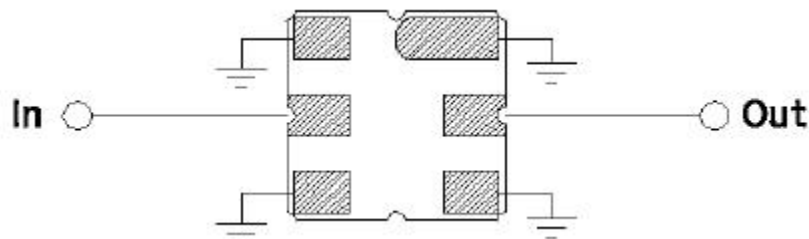
\* No Matching Network(Ref. Testing Environment Circuit as shown below)

**PACKAGE OUTLINE (mm)**



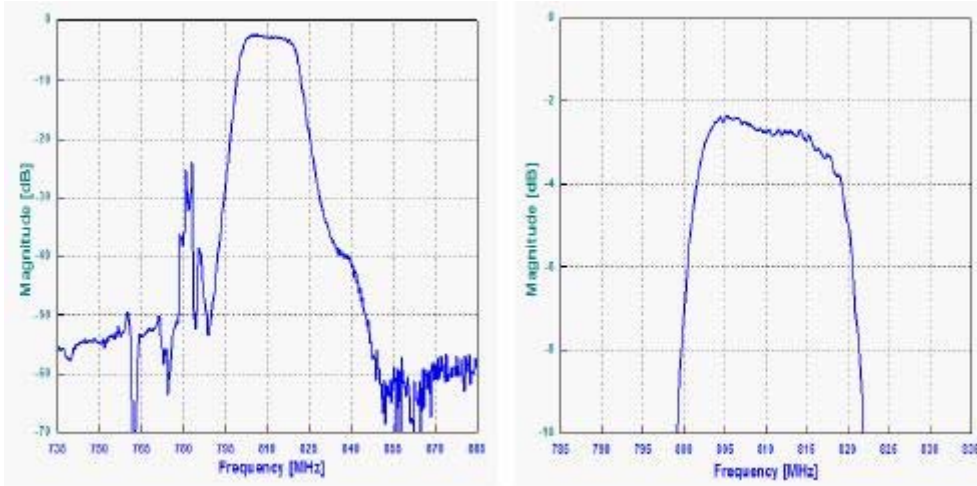
PIN LAYOUT	
A	Ground
B	Out
C	Ground
D	Ground
E	In
F	Ground

**TEST FIXTURE**

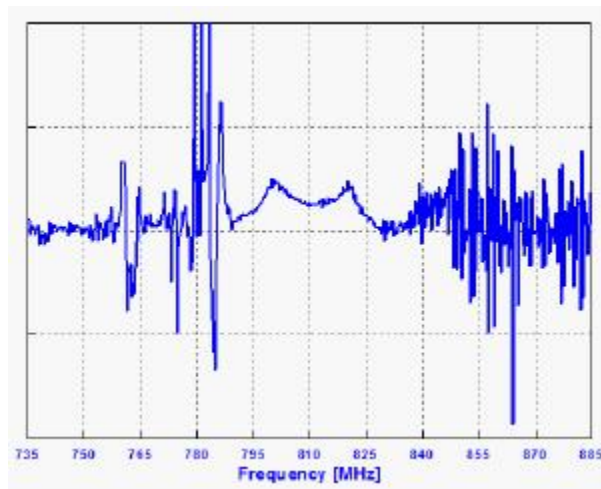


Source/ Load Impedance = 50 ohms

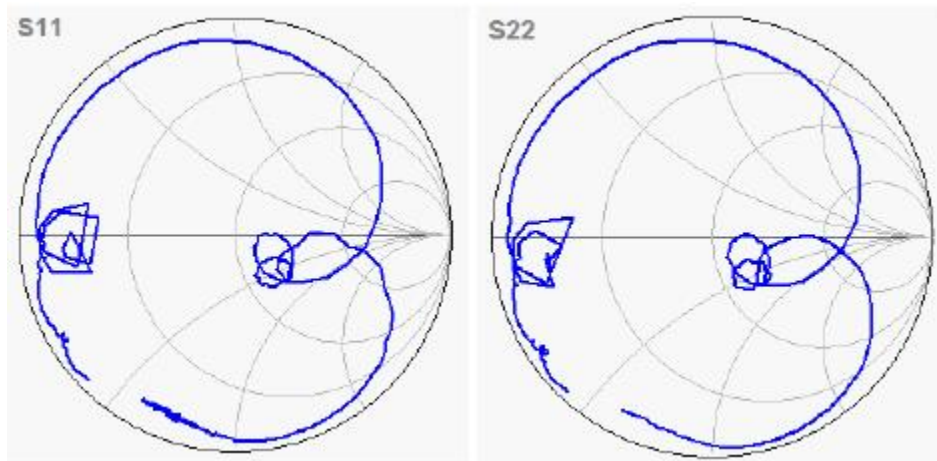
## FREQUENCY RESPONSE



## GROUP DELAY



## SMITH CHART



**Oscilent Corporation** - CALL **949.252.0522**  
18195 East McDermott Street, Building D, Irvine, CA 92614, USA  
Fax: 949.252.0599, E-Mail: [Sales@Oscilent.com](mailto:Sales@Oscilent.com)

**Part No.:** 802-RF810.0M-A