



Part Number	Package	Application	Last Modified
801-RF836.5M-D	2.5 x 2.0 SMD	CDMA	Mar. 2, 2007

TYPE :  
CDMA, RF-Tx SAW Filter

PART NUMBER :  
**801-RF836.5M-D**

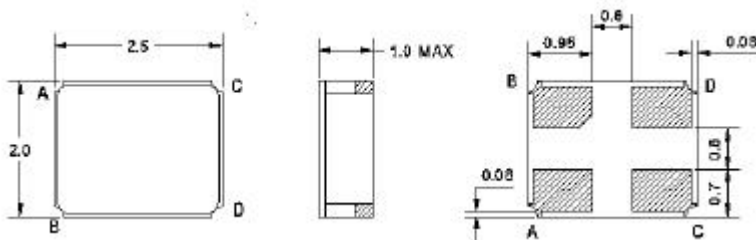


**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Condition	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	-	836.5	-	MHz
Maximum Insertion Loss	824.0~ 849.0 MHz	-	2.2	2.8	dB
Attenuation:	DC~ 790.0 MHz	45	52	-	dB
	790.0~810.0 MHz	40	45	-	
	869.0~ 894.0MHz	25	29	-	
	894.0~ 914.0 MHz	33	43	-	
	914.0~ 2000.0 MHz	40	49	-	
2000.0~ 3000.0 MHz	27	29	-	-	
Source Impedance (single ended)*	-	-	50	-	ohm
Load Impedance (single ended)*	-	-	50	-	ohm
VSWR	824.0~ 849.0 MHz	-	1.67	2.1	dB
Amplitude Ripple	824.0~ 849.0 MHz	-	0.6	1.3	dBp-p
Maximum DC Voltage	-	-	-	5	V
Maximum Input Power	-	-	-	15	dBm
Operating Temperature	-	-30	-	+80	°C

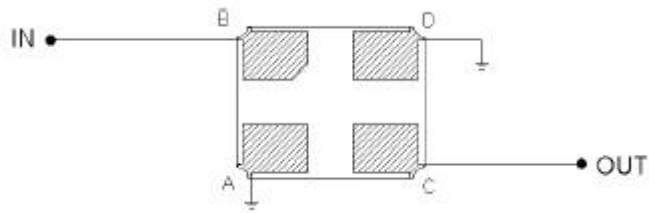
\* No Matching Network(Ref. Testing Enviroment Circuit as shown below)

**PACKAGE OUTLINE (mm)**



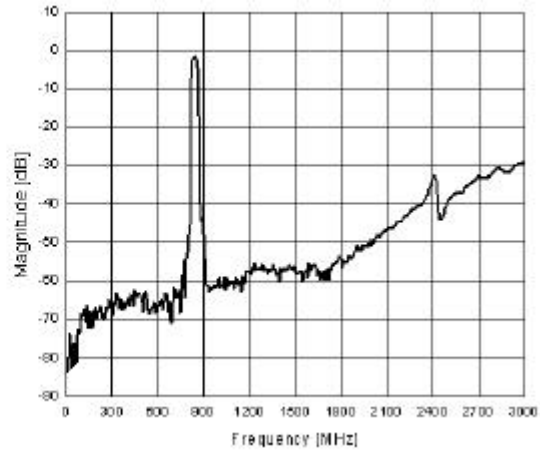
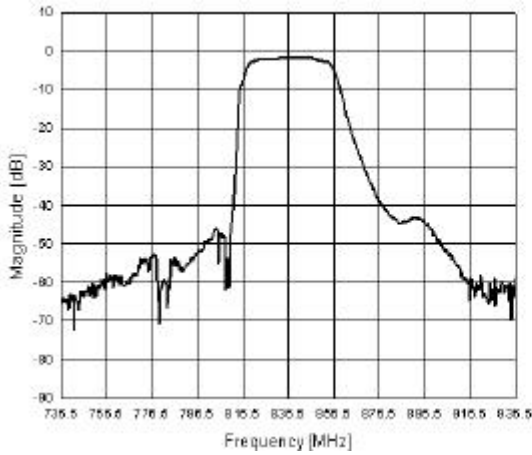
PIN LAYOUT	
A	Ground
B	In
C	Out
D	Ground

**TEST FIXTURE**

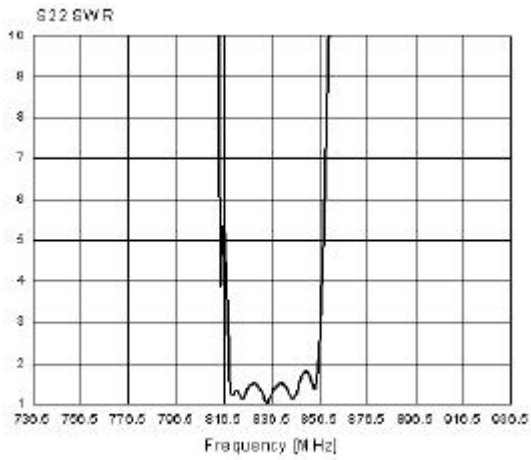
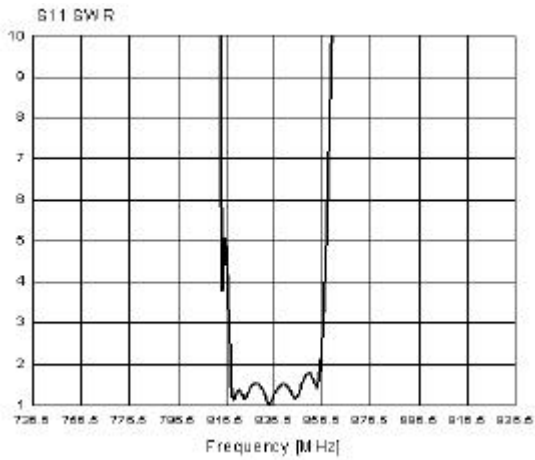


Load/ Source Impedance = 50 ohms

### FREQUENCY RESPONSE

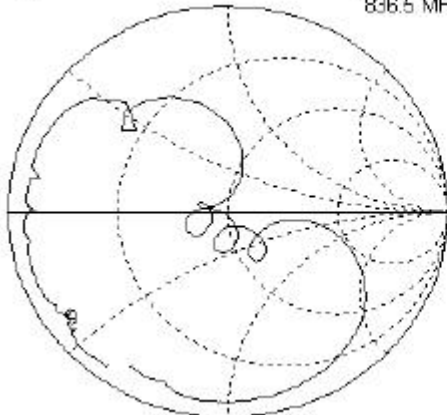


### VSWR

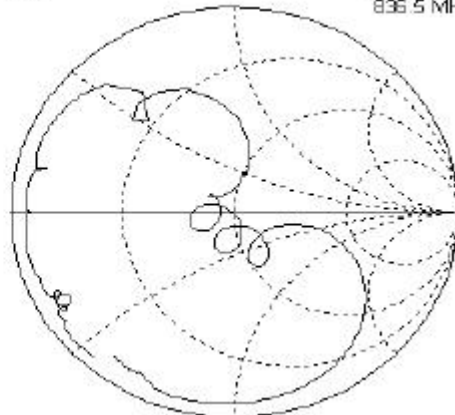


### SMITH CHART

S11 53.2318 | 11.1364  
836.5 MHz



S22 52.2982 | 11.329  
836.5 MHz



Part No.: 801-RF836.5M-D

**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)

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