

- SAW Duplexer For 844.0MHz / 889.0MHz
- Revision 0: May 2011

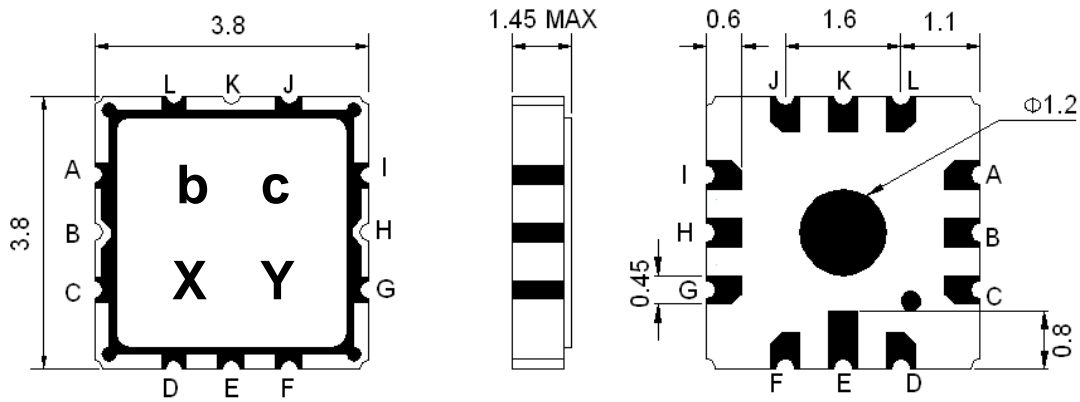
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	0	-
Maximum Input Power	W	1.0 W > 50,000 Hours, CW tone(Ta= +50°C)		
Input Impedance	Ω	-	50	-
Output Rx Impedance	Ω	-	50	-
Package type	P3			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.45

ELECTRICAL SPECIFICATION					
PARAMETERS	CONDITION [MHZ]	UNIT	MINIMUM	TYPICAL	MAXIMUM
<b>Tx → Ant</b>		<b>Specifications</b>			
Insertion Loss	839.0 ~ 849.0	dB	-	1.3	2.5
Amplitude Ripple	839.0 ~ 849.0	dB <sub>p-p</sub>	-	0.4	1.0
VSWR	839.0 ~ 849.0	-	-	1.3	2.0
Attenuation	884.0 ~ 894.0	dB	45	52	-
<b>Ant → Rx</b>		<b>Specifications</b>			
Insertion Loss	884.0 ~ 894.0	dB	-	1.5	2.5
Amplitude Ripple	884.0 ~ 894.0	dB <sub>p-p</sub>	-	0.5	1.0
VSWR	884.0 ~ 894.0	-	-	1.5	2.0
Attenuation	839.0 ~ 849.0	dB	40	45	-
<b>Rx → Tx</b>		<b>Specifications</b>			
Isolation	839.0 ~ 849.0	dB	40	46	-
	884.0 ~ 894.0	dB	45	55	-

**Note :** (1) No Matching Network .

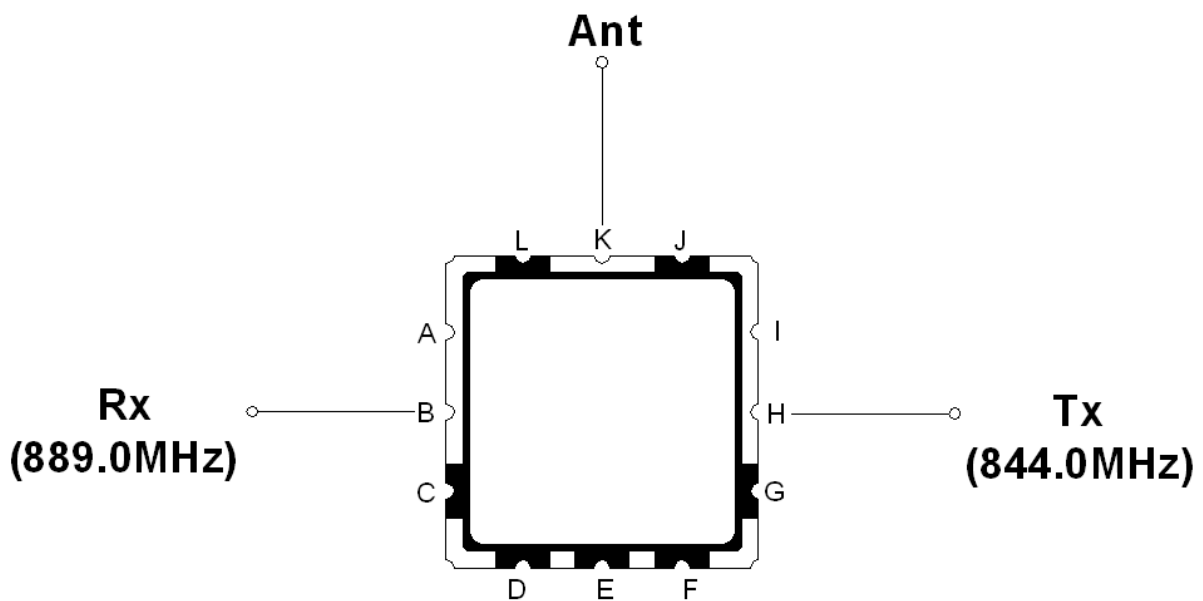
## Package Dimensions



Marking Descriptions	
b	Wireless Application
c	Series Number
X	Date Code (Year)
Y	Date Code (Month)

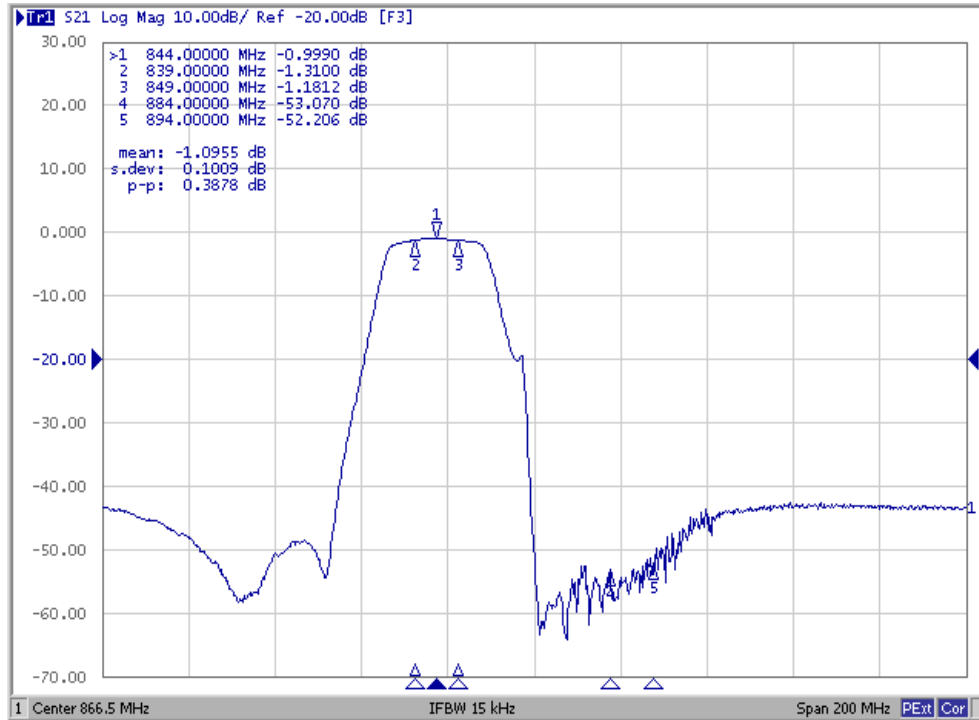
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Rx (889.0MHz)
H	Tx (844.0 MHz)

## Testing Environment

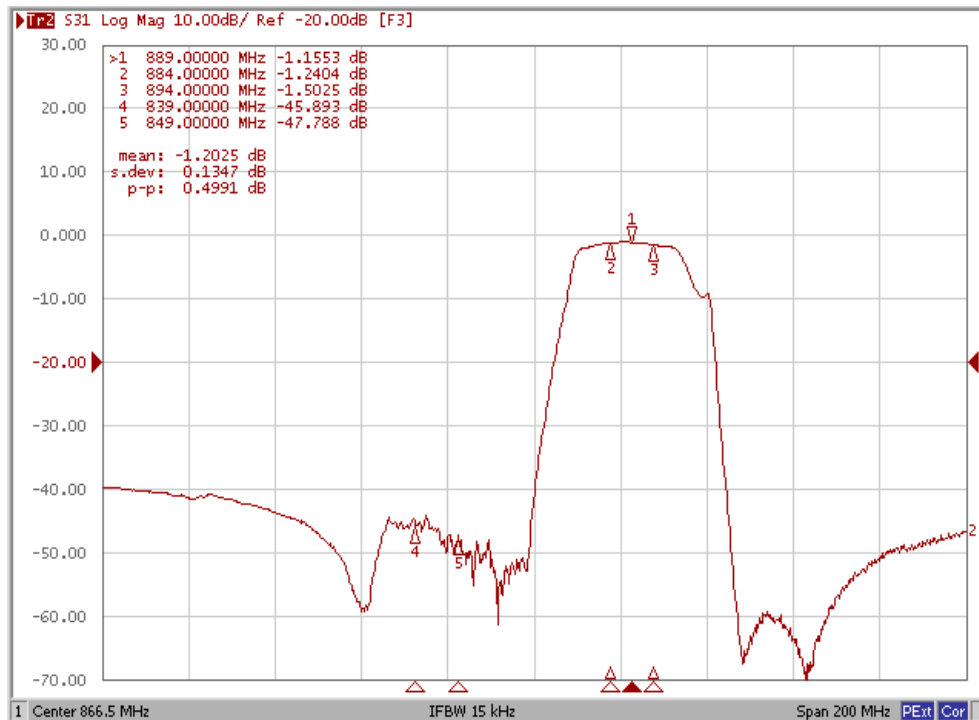


## Frequency Characteristics

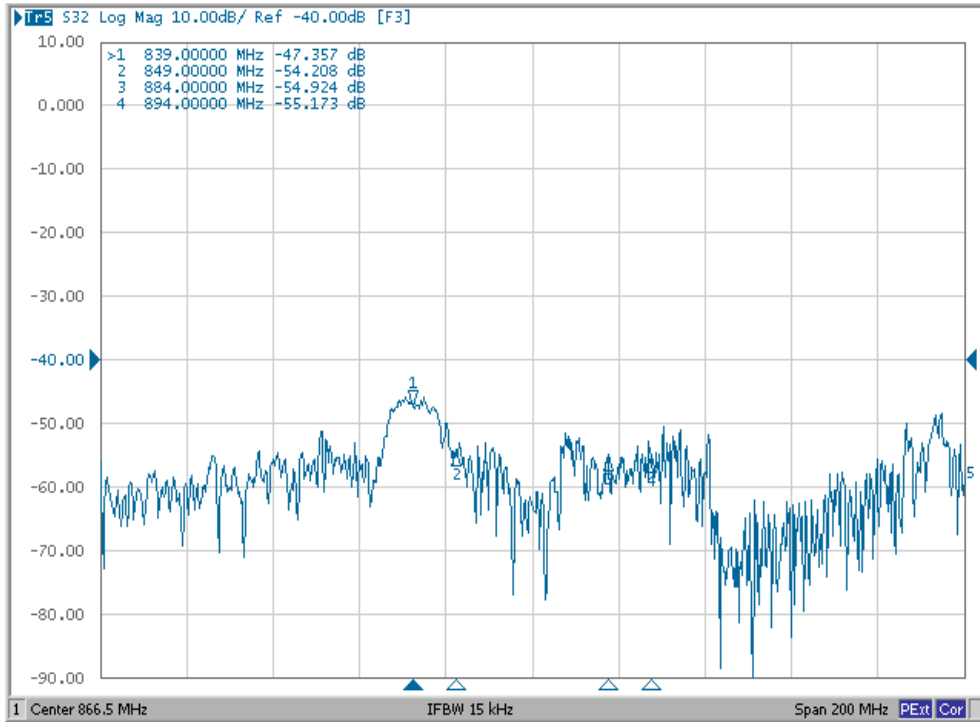
**Tx to Ant**



**Ant to Rx**

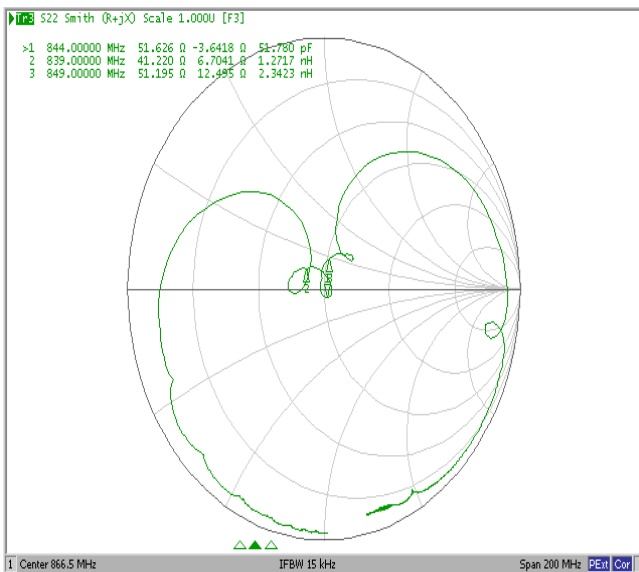


**Isolation**

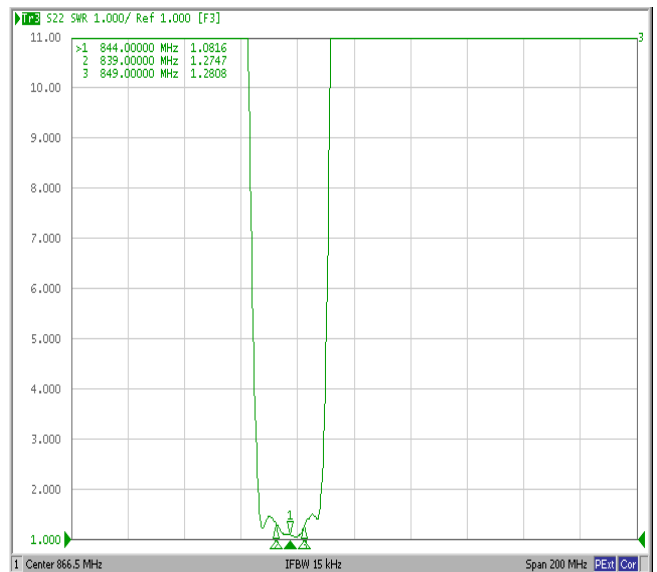


**Tx Part**

**Smith Chart**

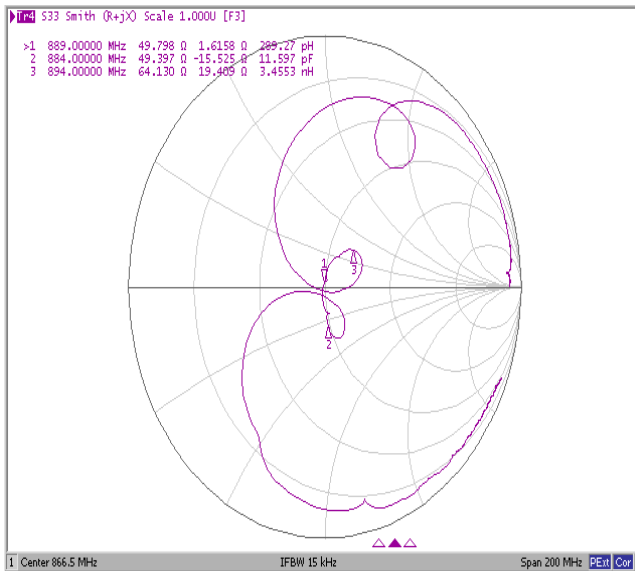


**VSWR**

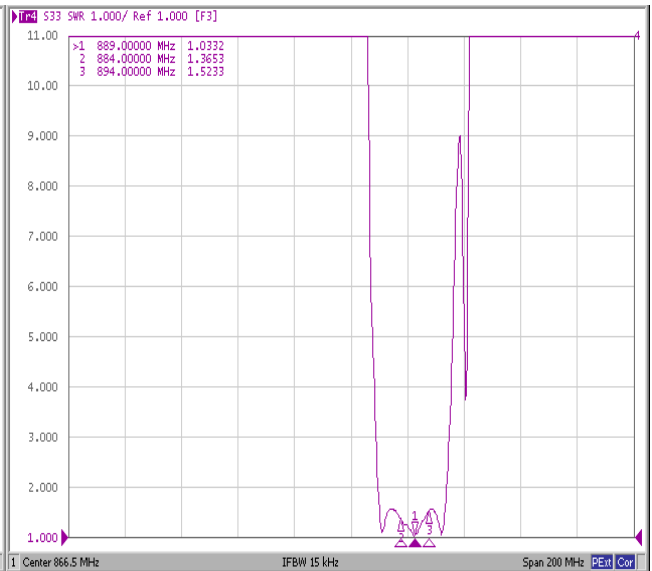


**Rx Part**

**Smith Chart**

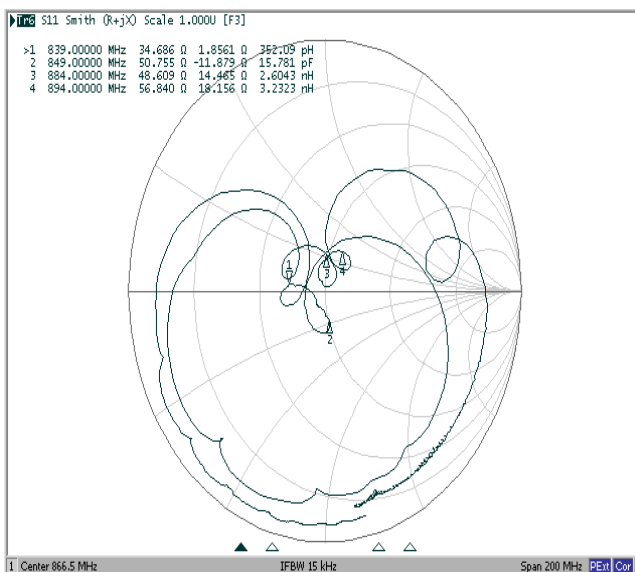


**VSWR**



**Antenna**

**Smith Chart**



**VSWR**

