

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

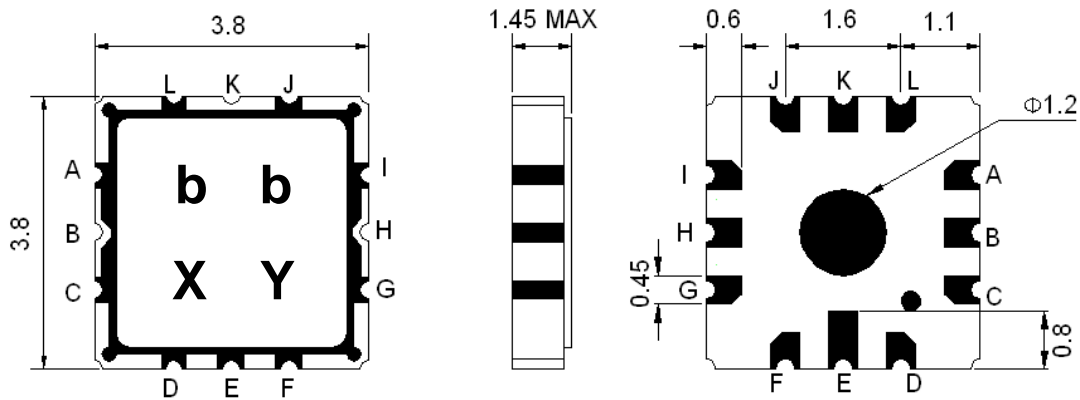
Electrical Characteristics

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 ²	-	3.8 x 3.8	-
Height	mm	-	-	1.45

ELECTRICAL SPECIFICATION					
PARAMETERS	CONDITION [MHZ]	UNIT	MINIMUM	TYPICAL	MAXIMUM
Tx → Ant		Specifications			
Insertion Loss	839.0 ~ 849.0	dB	-	1.4	2.5
Amplitude Ripple	839.0 ~ 849.0	dB _{p-p}	-	0.4	1.0
VSWR	839.0 ~ 849.0	-	-	1.4	2.0
Attenuation	884.0 ~ 894.0	dB	45	53	-
Ant → Rx		Specifications			
Insertion Loss	884.0 ~ 894.0	dB	-	1.4	2.5
Amplitude Ripple	884.0 ~ 894.0	dB _{p-p}	-	0.4	1.0
VSWR	884.0 ~ 894.0	-	-	1.4	2.0
Attenuation	839.0 ~ 849.0	dB	40	45	-
Rx → Tx		Specifications			
Isolation	839.0 ~ 849.0	dB	40	46	-
	884.0 ~ 894.0	dB	45	55	-

Note : (1) No Matching Network .

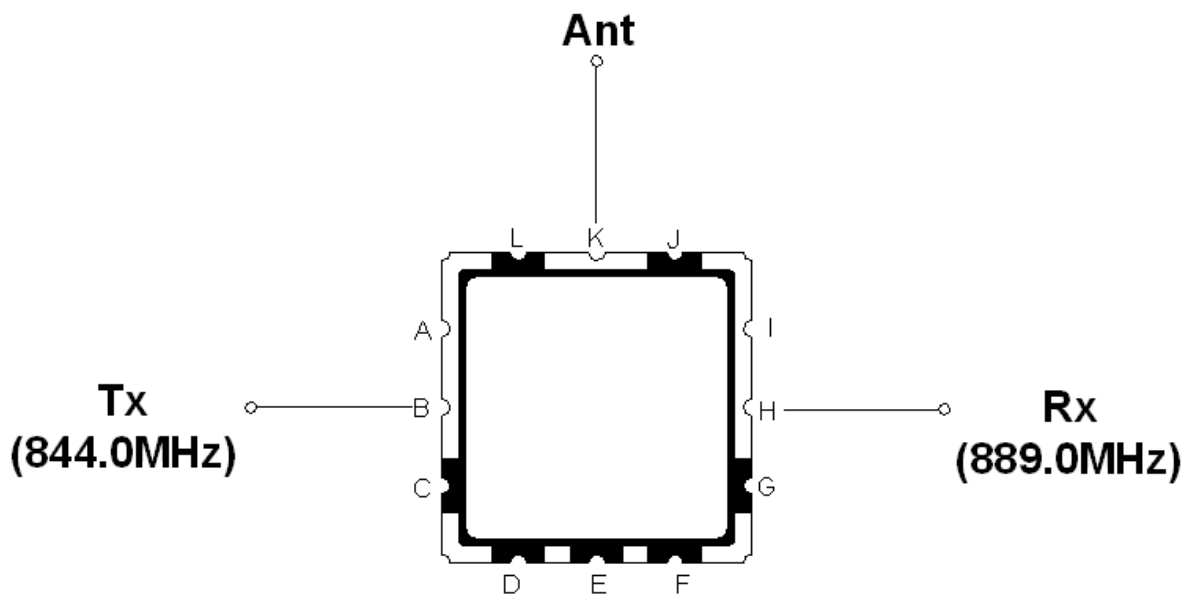
Package Dimensions



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

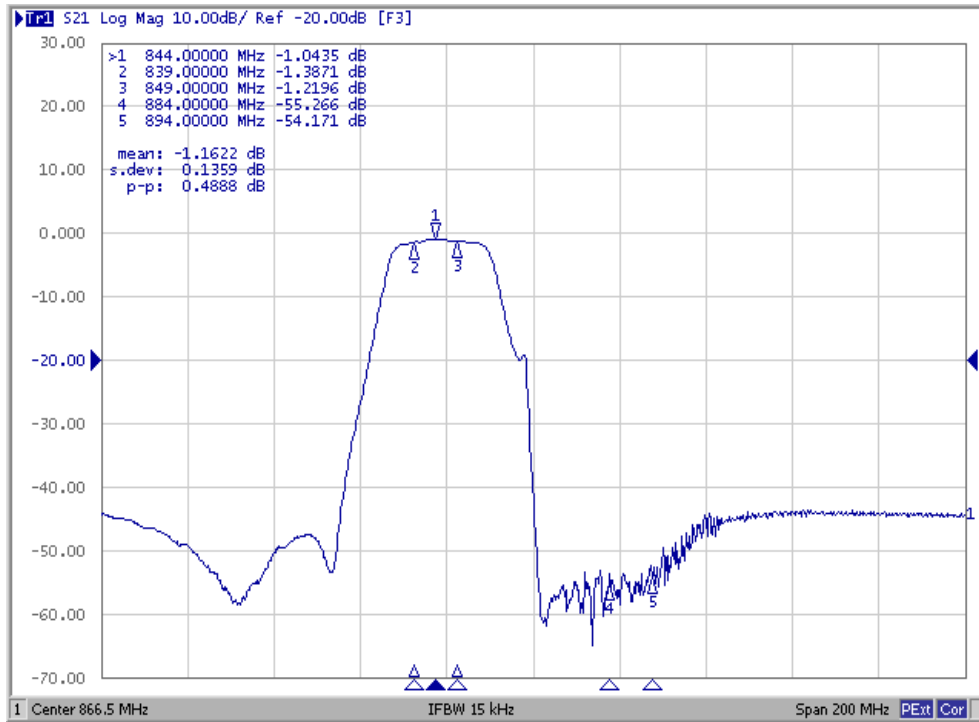
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Tx (844.0 MHz)
H	Rx (889.0MHz)

Testing Environment

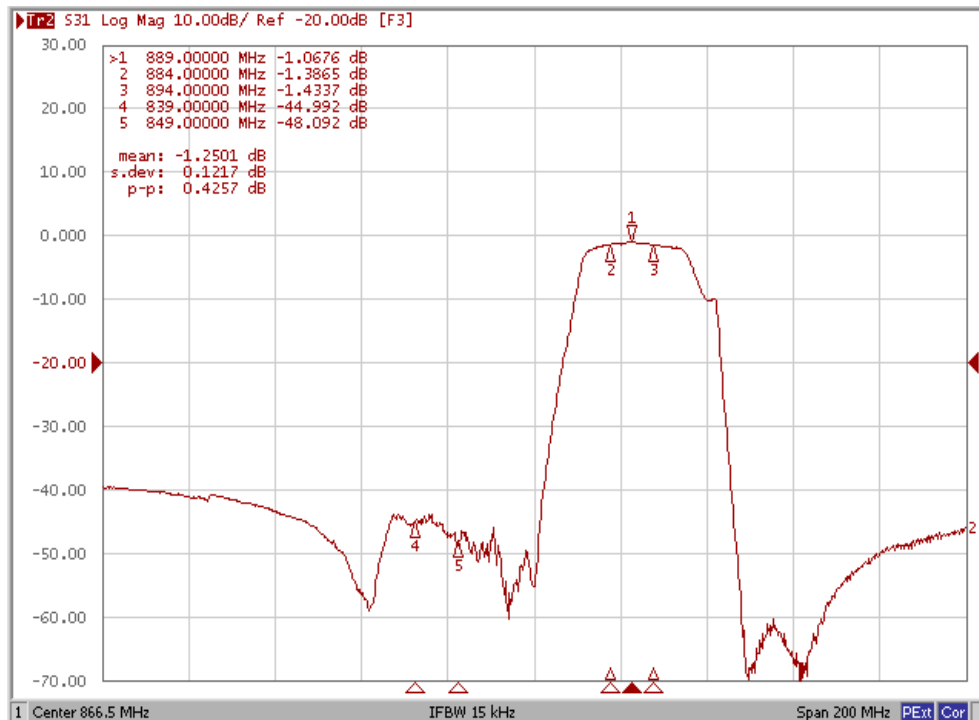


Frequency Characteristics

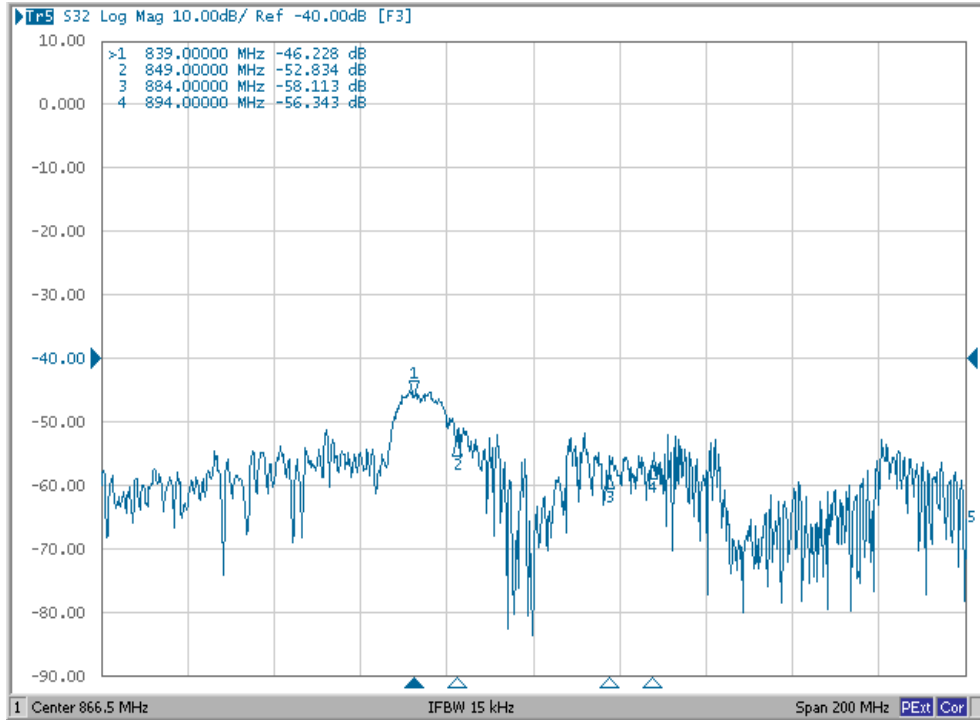
Tx to Ant



Ant to Rx

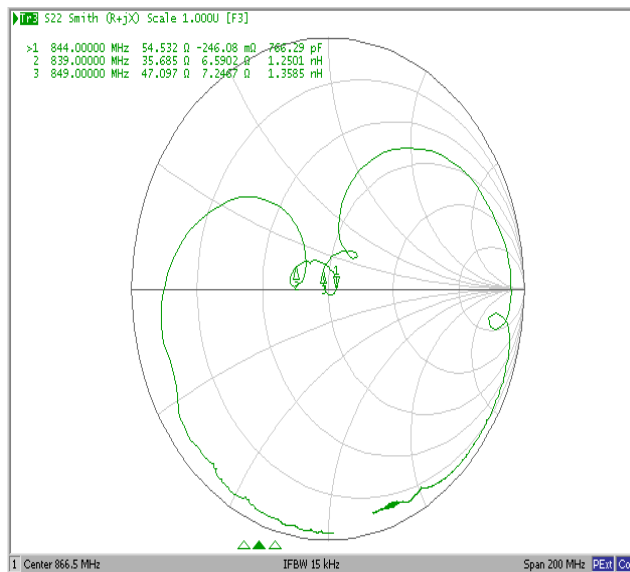


Isolation

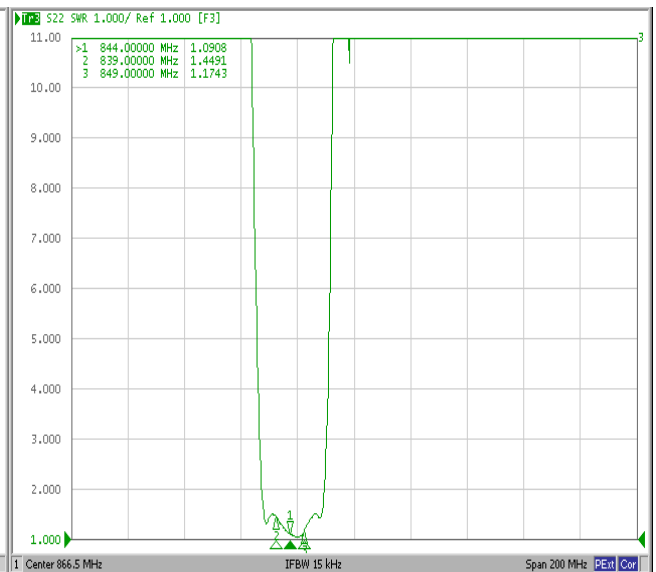


Tx Part

Smith Chart

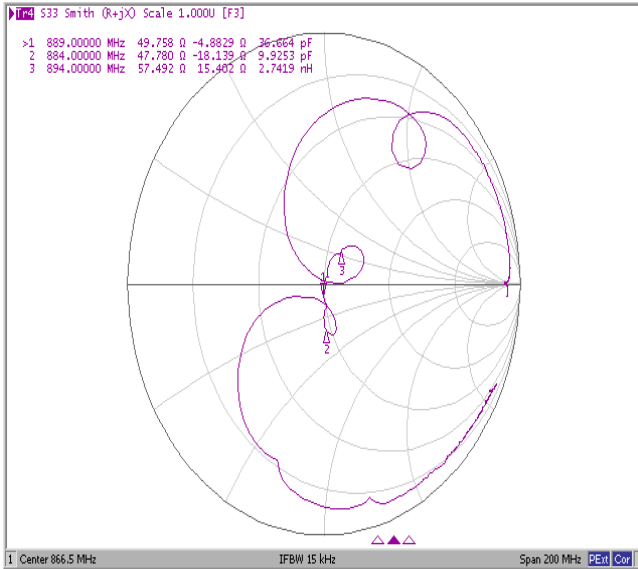


VSWR

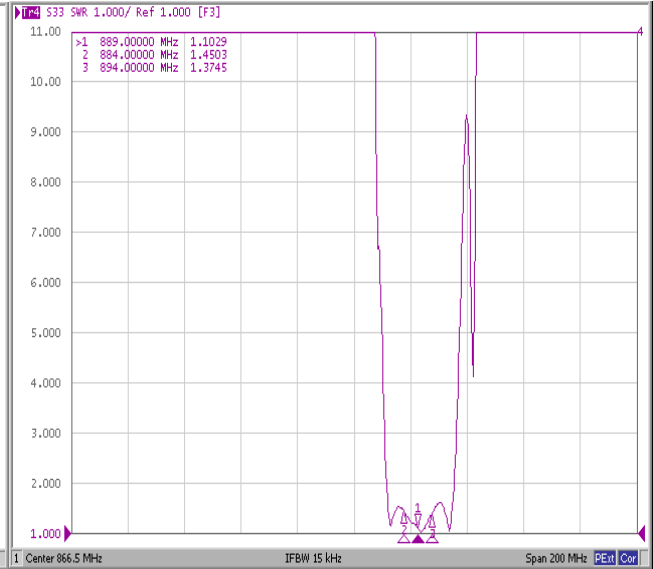


Rx Part

Smith Chart

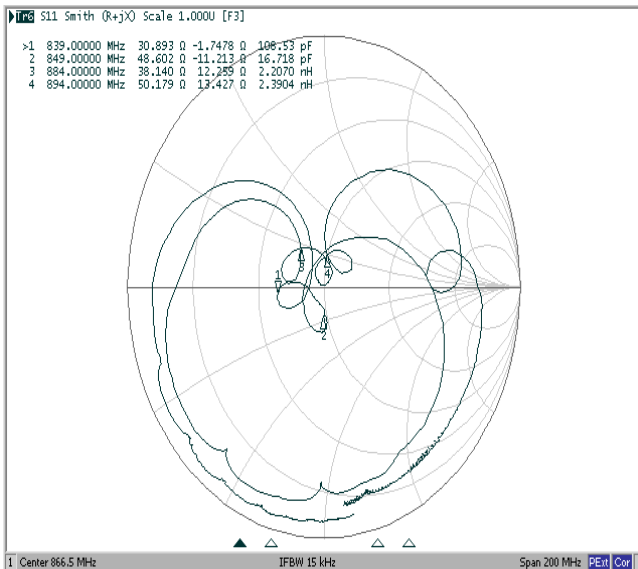


VSWR



Antenna

Smith Chart



VSWR

