

- SAW Duplexer For 910.0 MHz / 955.0 MHz
- Revision 0: July 2011

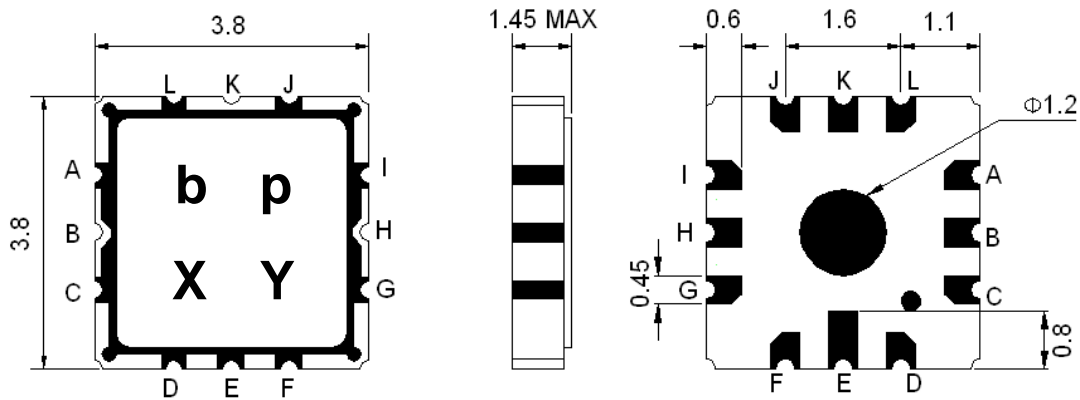
Electrical Characteristics

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 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	905.0 ~ 915.0	dB	-	1.6	2.5
Amplitude Ripple	905.0 ~ 915.0	dB _{p-p}	-	0.4	1.0
VSWR	905.0 ~ 915.0	-	-	1.4	2.0
Absolute Attenuation	950.0 ~ 960.0	dB	45	53	-
Ant → Rx		Specifications			
Insertion Loss	950.0 ~ 960.0	dB	-	1.5	2.5
Amplitude Ripple	950.0 ~ 960.0	dB _{p-p}	-	0.4	1.0
VSWR	950.0 ~ 960.0	-	-	1.4	2.0
Absolute Attenuation	905.0 ~ 915.0	dB	40	45	-
Tx → Rx		Specifications			
Isolation	905.0 ~ 915.0	dB	40	45	-
	950.0 ~ 960.0	dB	45	55	-

Note : (1) No Matching Network .

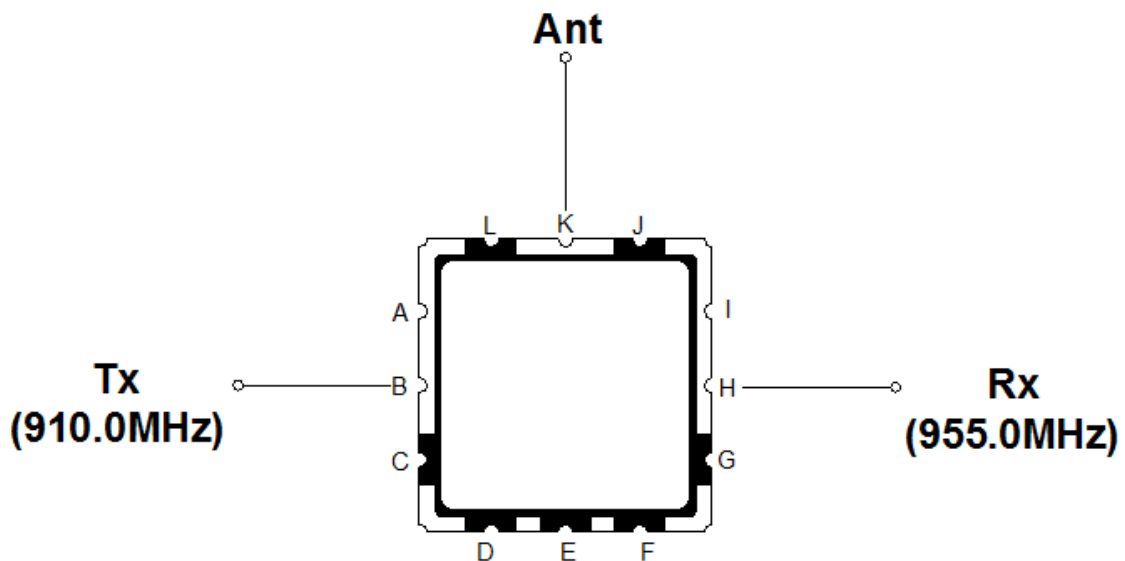
Package Dimensions



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

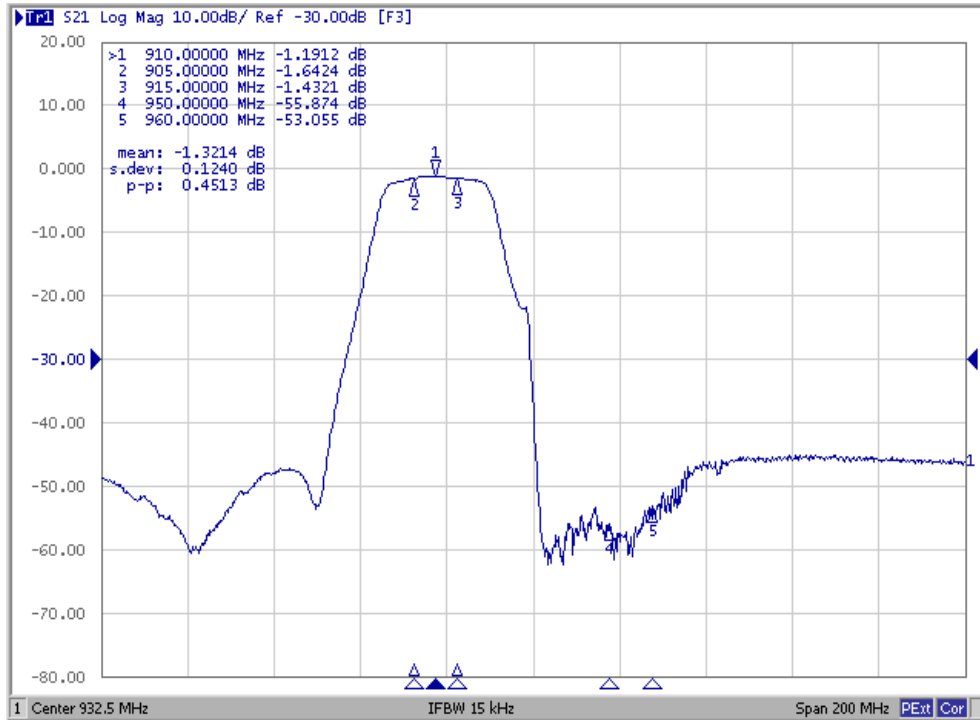
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Tx (910.0MHz)
H	Rx (955.0MHz)

Testing Environment

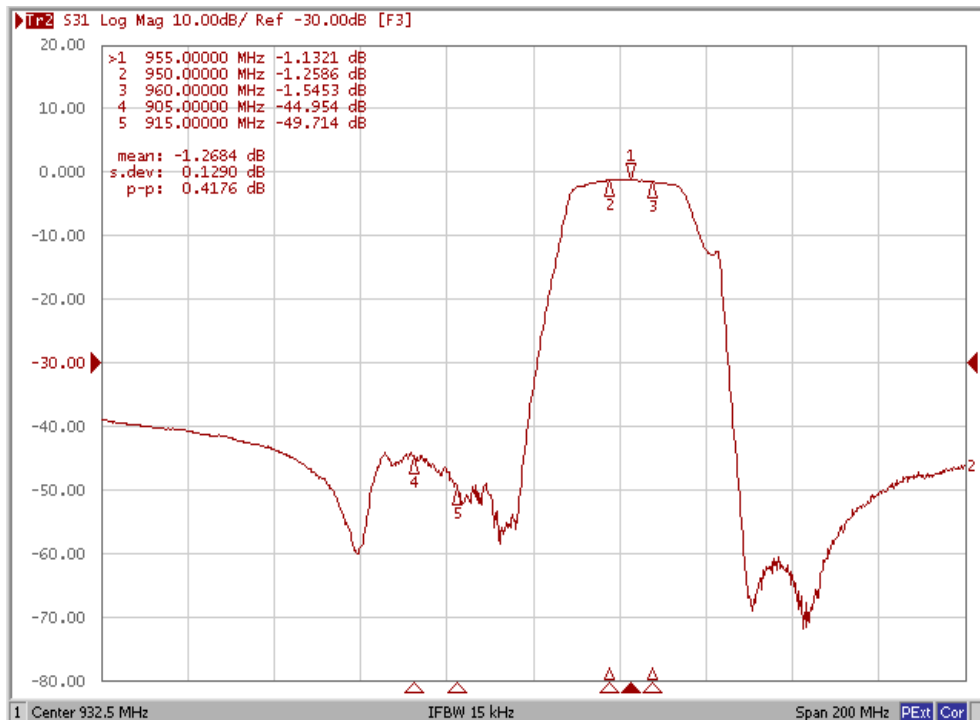


Frequency Characteristics

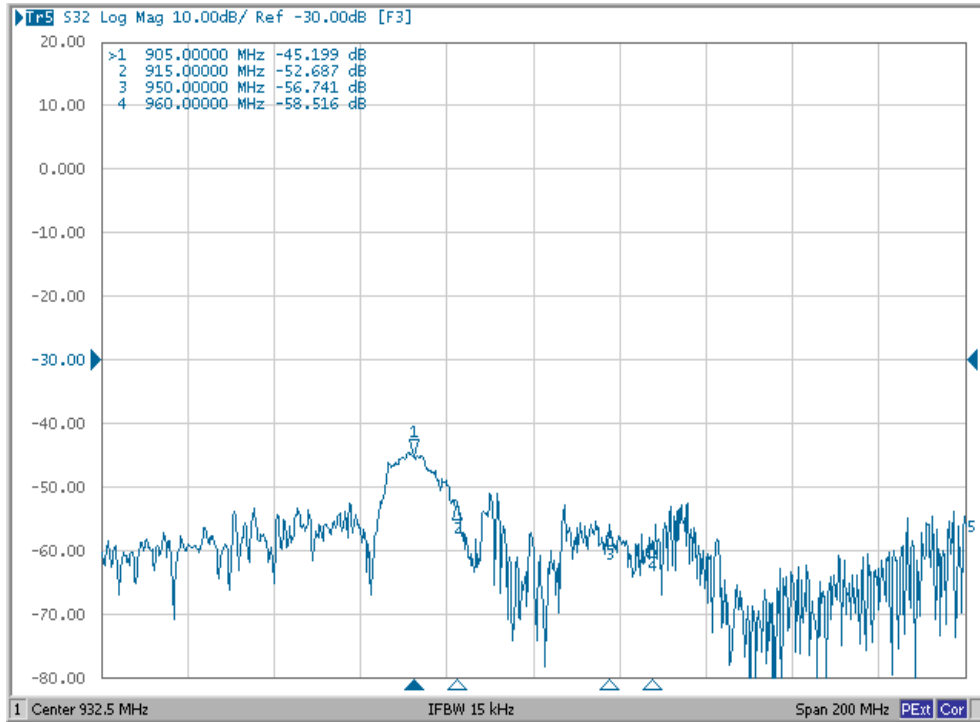
Tx to Ant



Ant to Rx

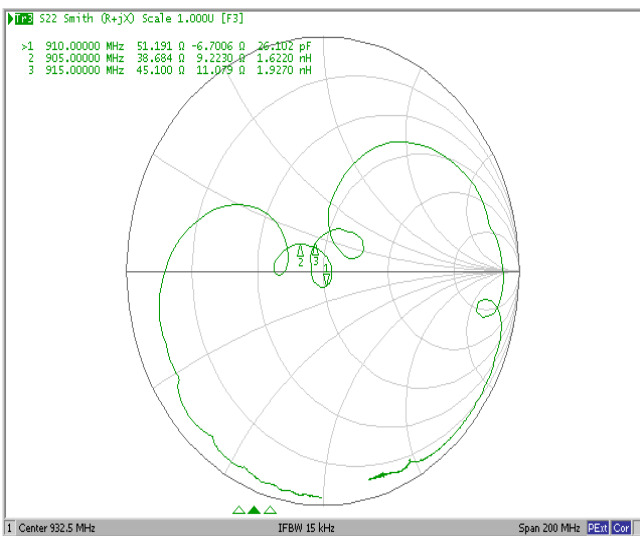


Isolation

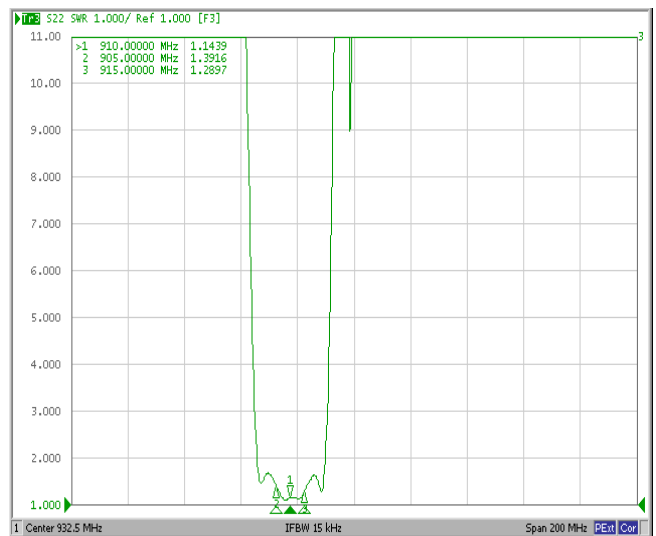


Tx Part

Smith Chart

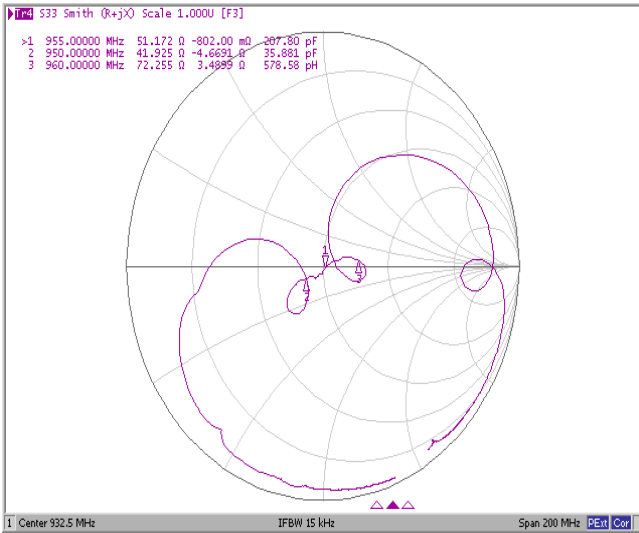


VSWR

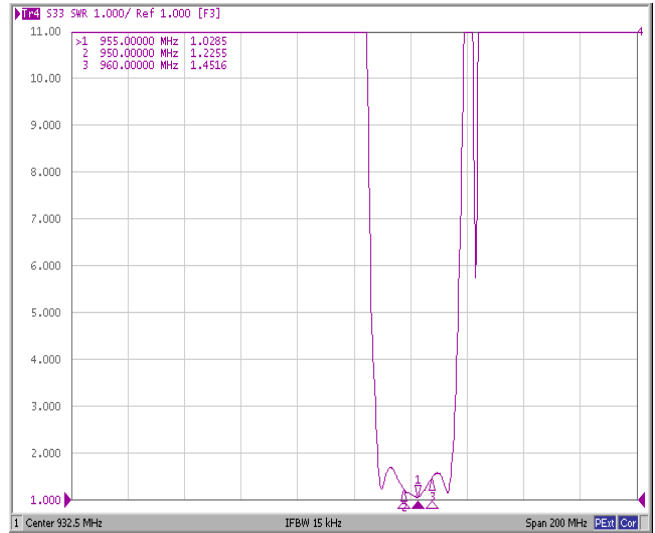


Rx Part

Smith Chart

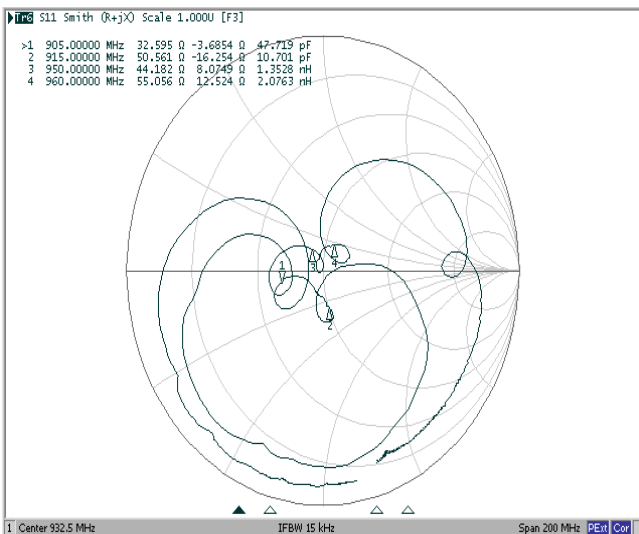


VSWR



Antenna

Smith Chart



VSWR

