- **SAW DUPLEXER For 800 MHz / 842 MHz**
- **Revision 0: September 2009**

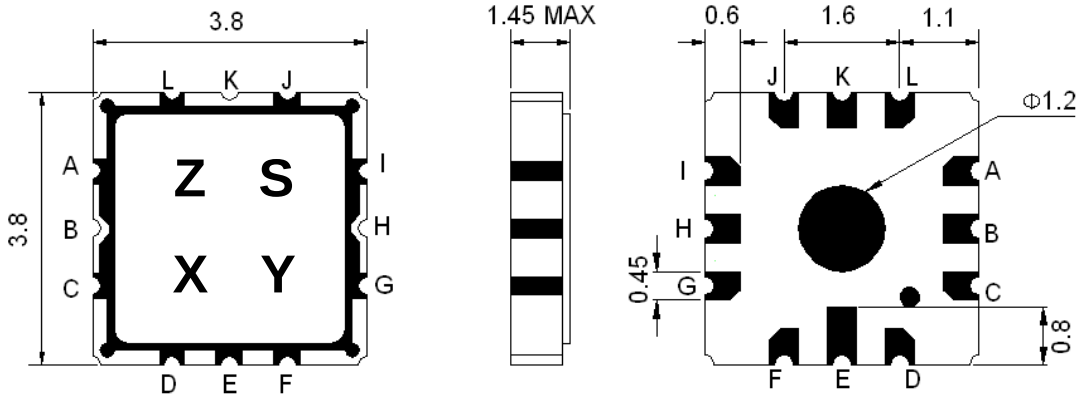
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	0	-
Maximum Input Power	W	0.5 W > 50000 Hours, CW tone(Ta= +50°C)		
Input Impedance	Ω	-	50	-
Output Impedance	Ω	-	50	-
Package type & size	P2			
Length x Width	mm²	-	3.8 x 3.8	-
Height	mm	-	-	1.45

ELECTRICAL SPECIFICATION					
PARAMETERS	**CONDITION [MHZ]**	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Rx _800MHz		**Specifications**			
Insertion Loss	790.0 ~ 810.0	dB	-	1.8	2.5
Ripple	790.0 ~ 810.0	dB	-	0.8	1.5
VSWR	790.0 ~ 810.0	-	-	1.7	2.2
Absolute Attenuation	832.0 ~ 852.0	dB	45	50	-
Tx_842MHz		**Specifications**			
Insertion Loss	832.0 ~ 852.0	dB	-	2.0	3.0
Ripple	832.0 ~ 852.0	dB	-	0.8	1.5
VSWR	832.0 ~ 852.0	-	-	1.6	2.2
Absolute Attenuation	790.0 ~ 810.0	dB	45	50	-
Rx _ Tx		**Specifications**			
Isolation	790.0 ~ 810.0	dB	45	50	-
	832.0 ~ 852.0	dB	45	50	-

Notes : (1) With Matching Network .

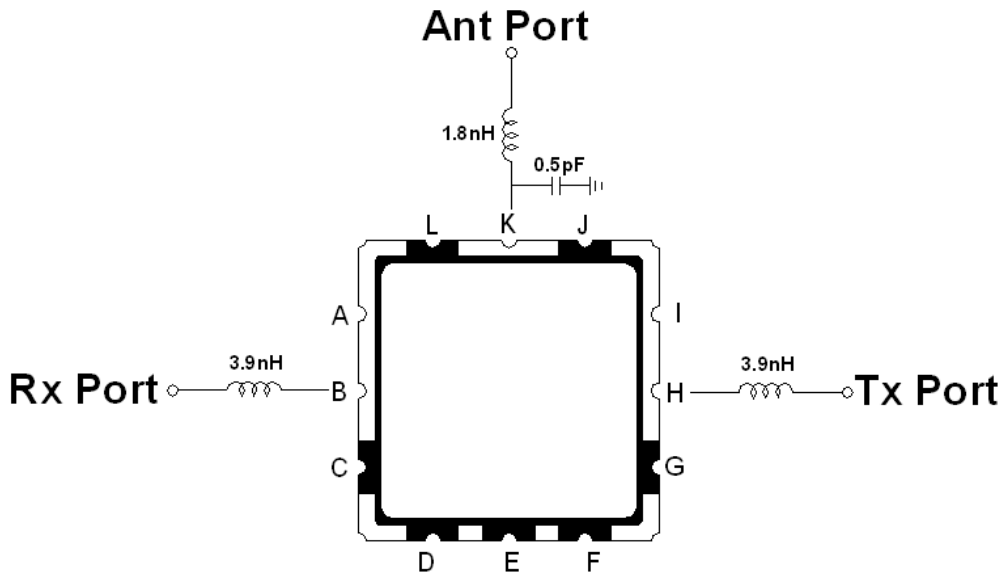
Package Dimensions



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

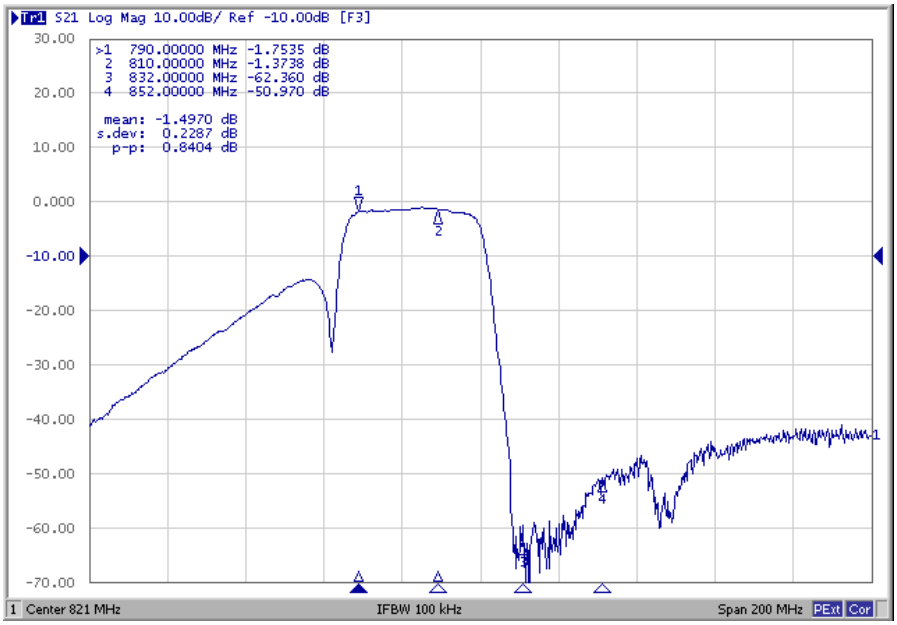
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Rx Port (800.0MHz)
H	Tx Port (842.0MHz)

Testing Environment

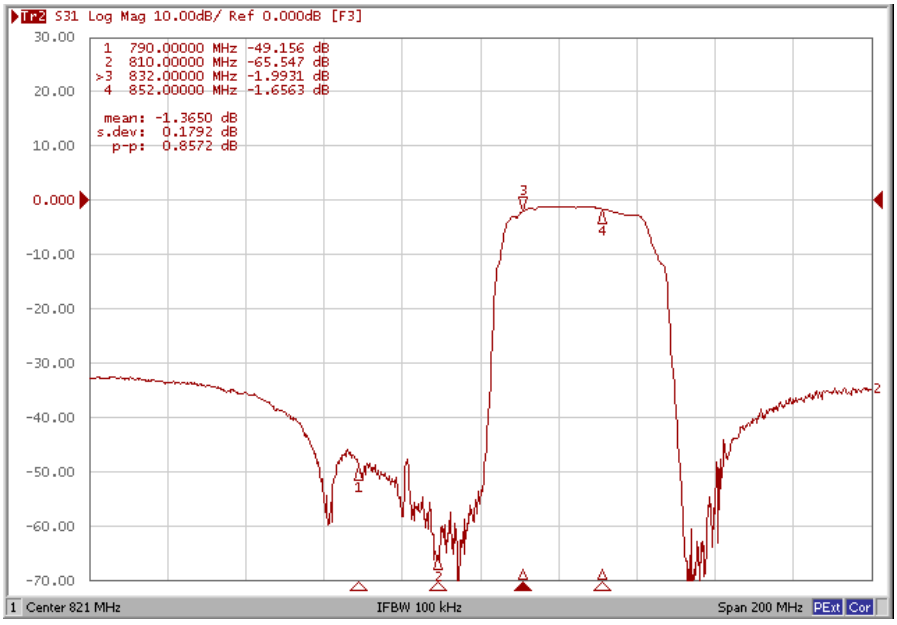


Frequency Characteristics

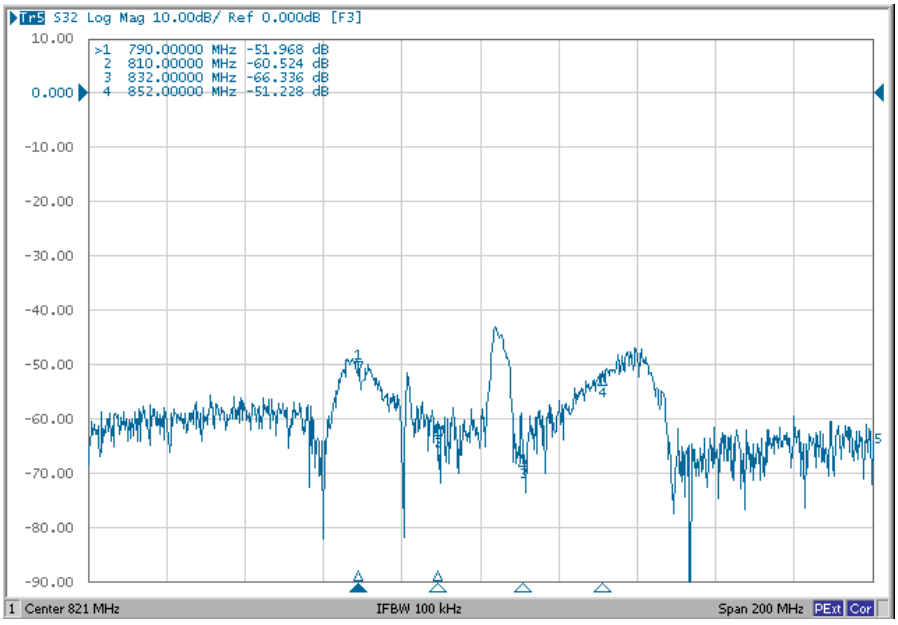
Rx_800MHz to Ant



Tx_842.0MHz to Rx

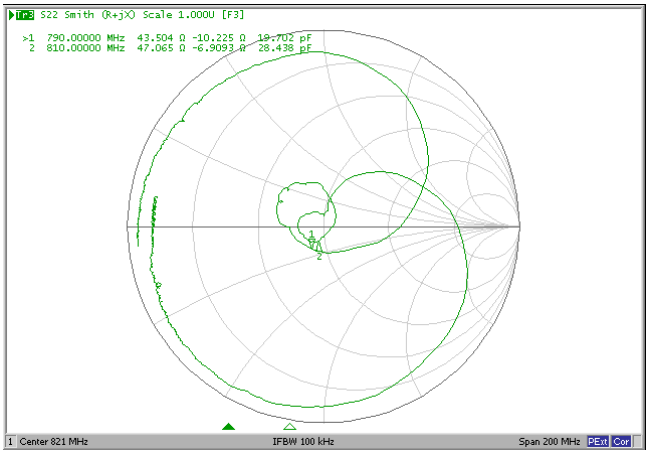


Isolation

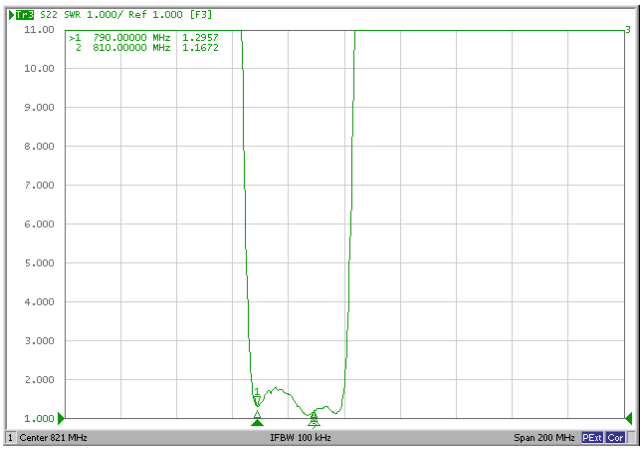


Rx Port_800MHz

Smith Chart



VSWR



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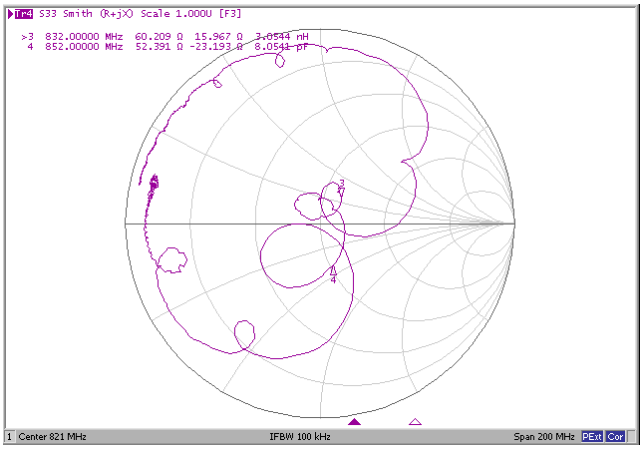
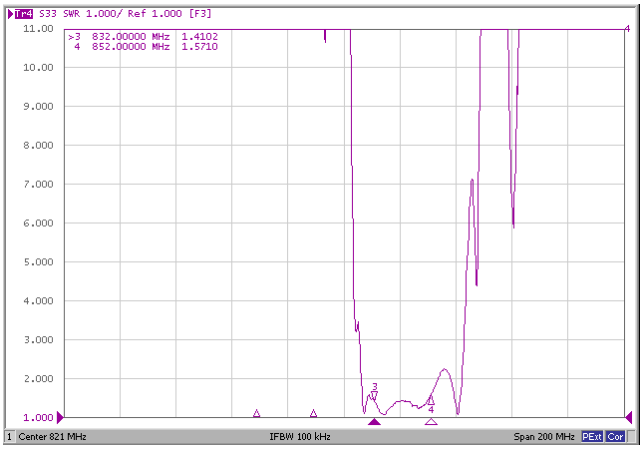
Tx Port_842MHz

Smith Chart

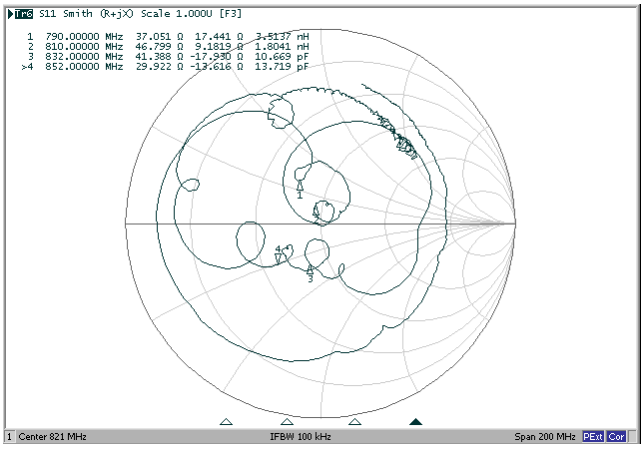


VSWR



Ant Port

Smith Chart



VSWR