- **SAW Duplexer For 1775.0MHz / 1867.5MHz**
- **Revision 0: May 2011**

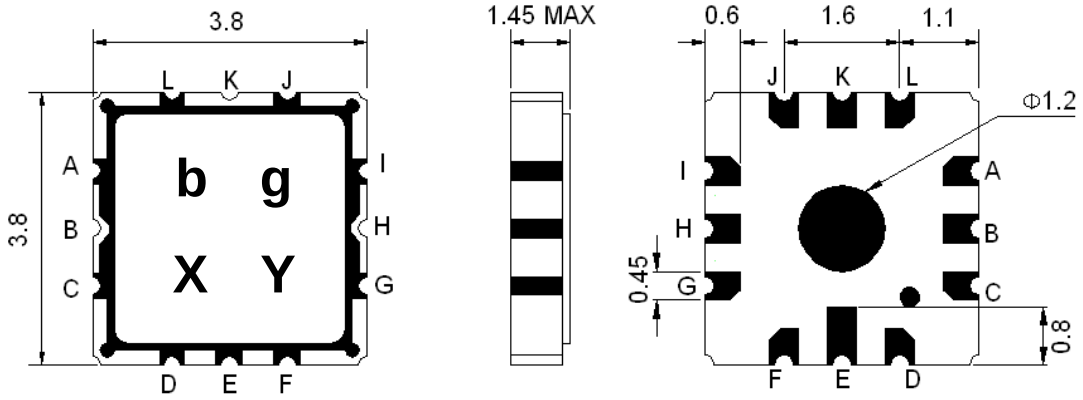
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	0	-
Maximum Input Power	dBm	28dBm > 50,000 Hours, CW tone(Ta= +50°C)		
Input Impedance	Ω	-	50	-
Output Impedance	Ω	-	50	-
Package type & size	PB			
Length x Width	mm²	-	3.8 x 3.8	-
Height	mm	-	-	1.45

ELECTRICAL SPECIFICATION					
PARAMETERS	**CONDITION [MHZ]**	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Tx → Ant		**Specifications**			
Insertion Loss	1770.0 ~ 1780.0	dB	-	2.1	3.2
Amplitude Ripple	1770.0 ~ 1780.0	dB_{p-p}	-	0.3	1.0
VSWR	1770.0 ~ 1780.0	-	-	1.3	2.0
Absolute Attenuation	1860.0 ~ 1875.0	dB	45	51	-
Ant → Rx		**Specifications**			
Insertion Loss	1860.0 ~ 1875.0	dB	-	2.5	3.5
Amplitude Imbalance	1860.0 ~ 1875.0	dB_{p-p}	-	0.4	1.0
VSWR	1860.0 ~ 1875.0	-	-	1.5	2.0
Absolute Attenuation	1770.0 ~ 1780.0	dB	40	46	-
Rx → Tx		**Specifications**			
Isolation	1770.0 ~ 1780.0	dB	40	51	-
	1860.0 ~ 1875.0	dB	45	54	-

Notes : (1) With Matching Network .

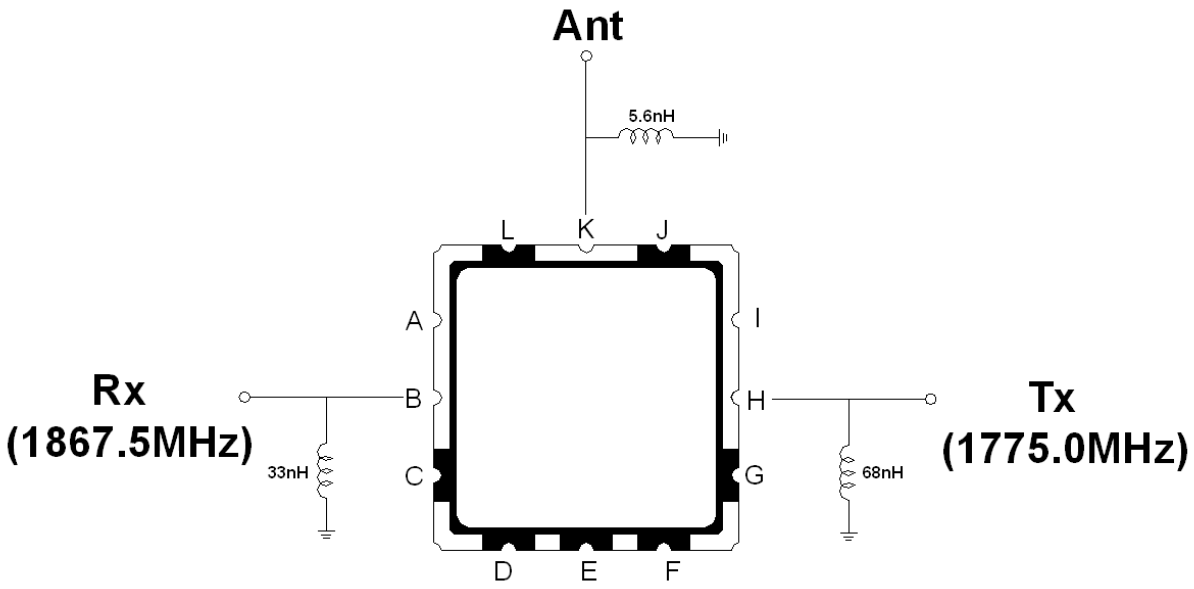
Package Dimensions



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

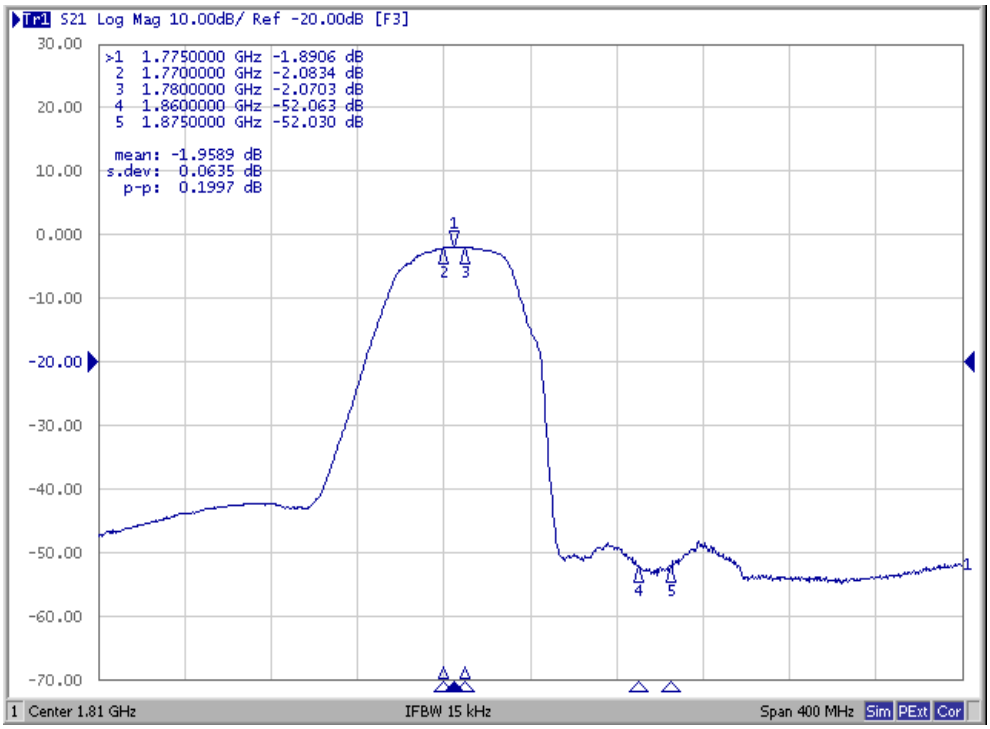
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Rx (1867.5MHz)
H	Tx (1775.0 MHz)

Testing Environment

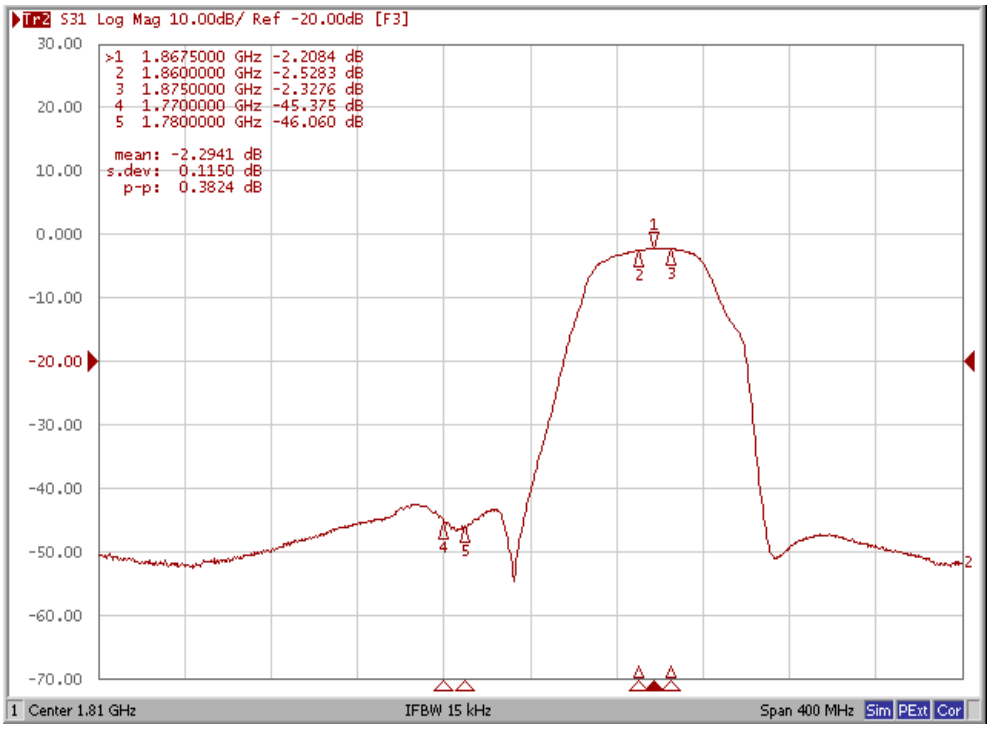


Frequency Characteristics

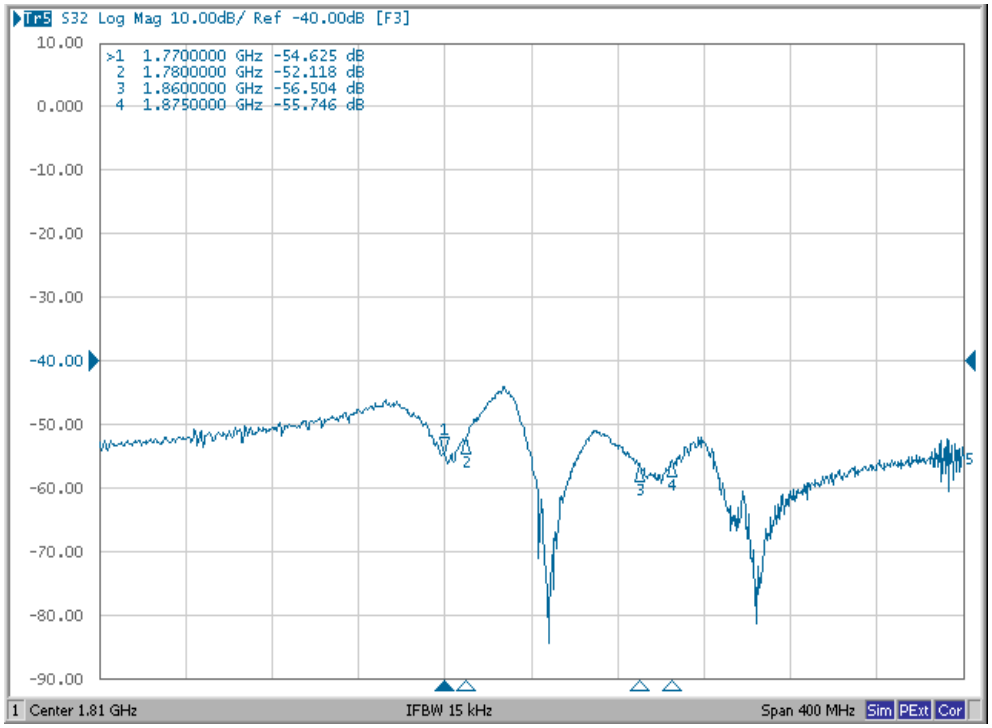
Tx to Ant



Ant to Rx

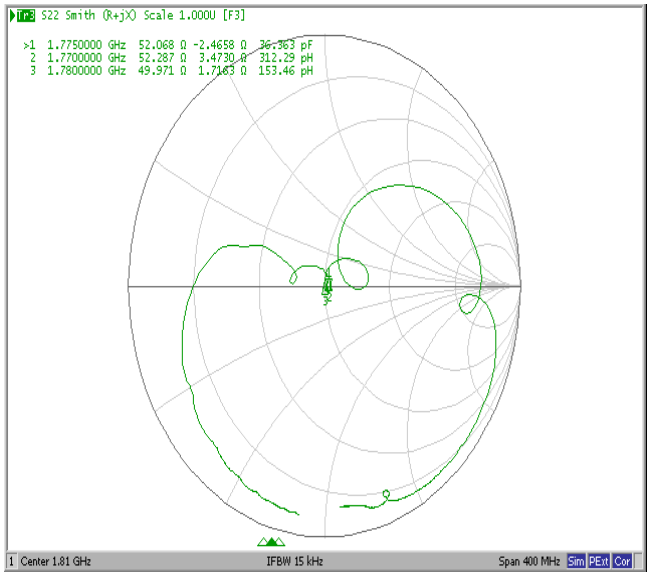


Isolation

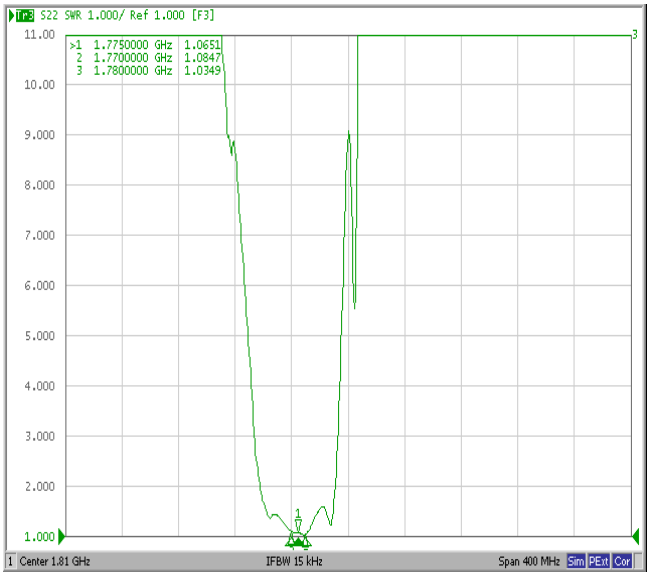


Tx Part

Smith Chart



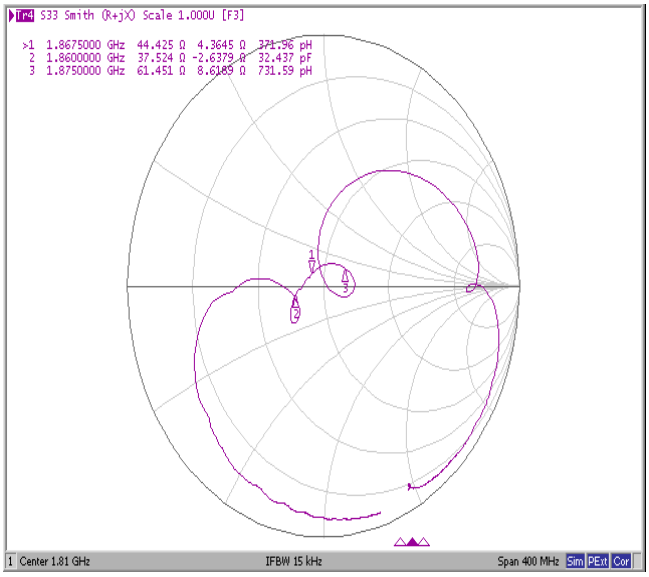
VSWR



Transko Electronics, Inc. 3981 E. Miraloma Ave., Anaheim CA 92806 USA
Tel: 714-528-8000 Fax: 714-528-8017 Website: www.transko.com E-mail: sales@transko.com

Rx Part

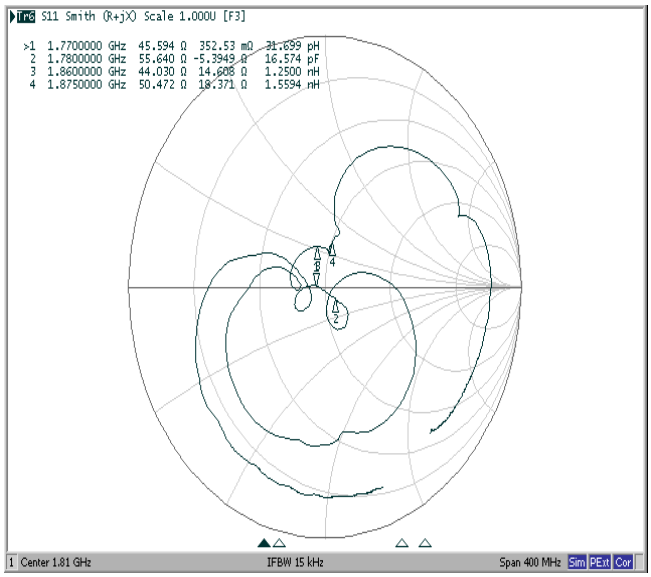
Smith Chart



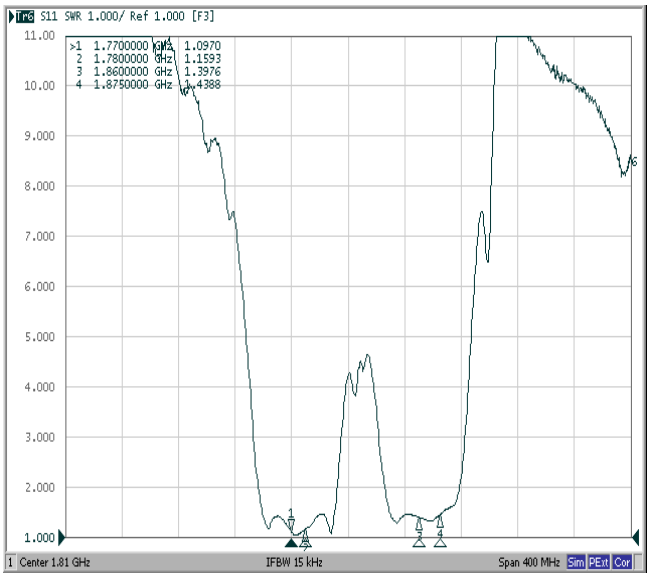
VSWR

Antenna

Smith Chart



VSWR



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