

- LTE, SAW DUPLEXER For 763 MHz / 793 MHz
- Revision 0: July 2010

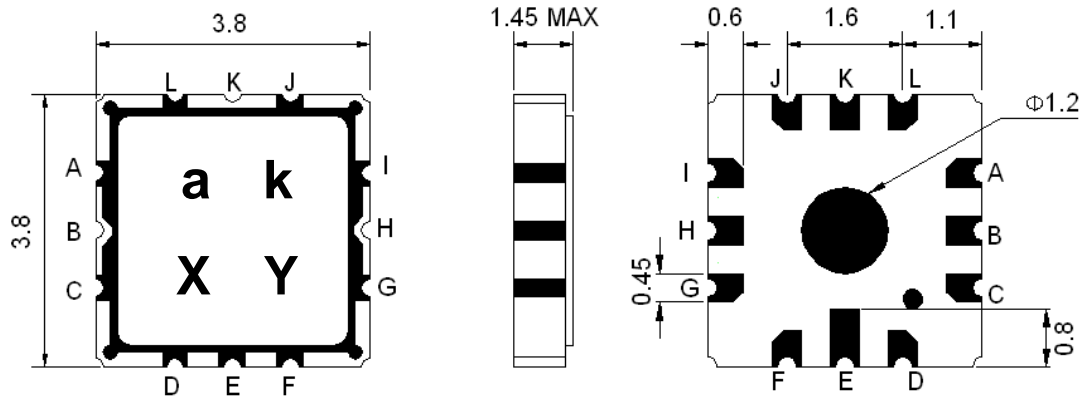
## Electrical Characteristics

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	W	1.0 W > 50,000 Hours, CW tone(Ta= +50°C)		
Input Impedance	Ω	-	50	-
Output Impedance	Ω	-	50	-
Package type & size	P2			
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>Uplink → Ant</b>		<b>Specifications</b>			
Insertion Loss	788.0 ~ 798.0	dB	-	2.2	3.5
Amplitude Ripple	788.0 ~ 798.0	dB <sub>p-p</sub>	-	0.7	1.5
VSWR	788.0 ~ 798.0	-	-	1.5	2.5
Absolute Attenuation	758.0 ~ 768.0	dB	45	55	-
<b>Ant → Downlink</b>		<b>Specifications</b>			
Insertion Loss	758.0 ~ 768.0	dB	-	2.2	3.2
Amplitude Imbalance	758.0 ~ 768.0	dB <sub>p-p</sub>	-	0.7	1.5
VSWR	758.0 ~ 768.0	-	-	2.2	2.5
Absolute Attenuation	788.0 ~ 798.0	dB	45	55	-
<b>Downlink → Uplink</b>		<b>Specifications</b>			
Isolation	788.0 ~ 798.0	dB	47	57	-
	758.0 ~ 768.0	dB	50	60	-

**Notes :** (1) With Matching Network .

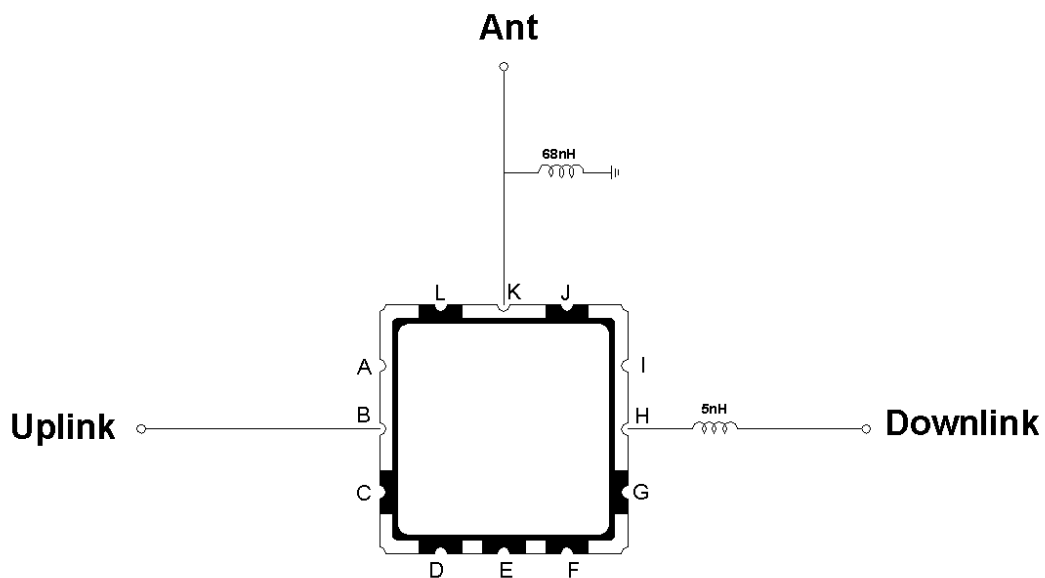
## Package Dimensions



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

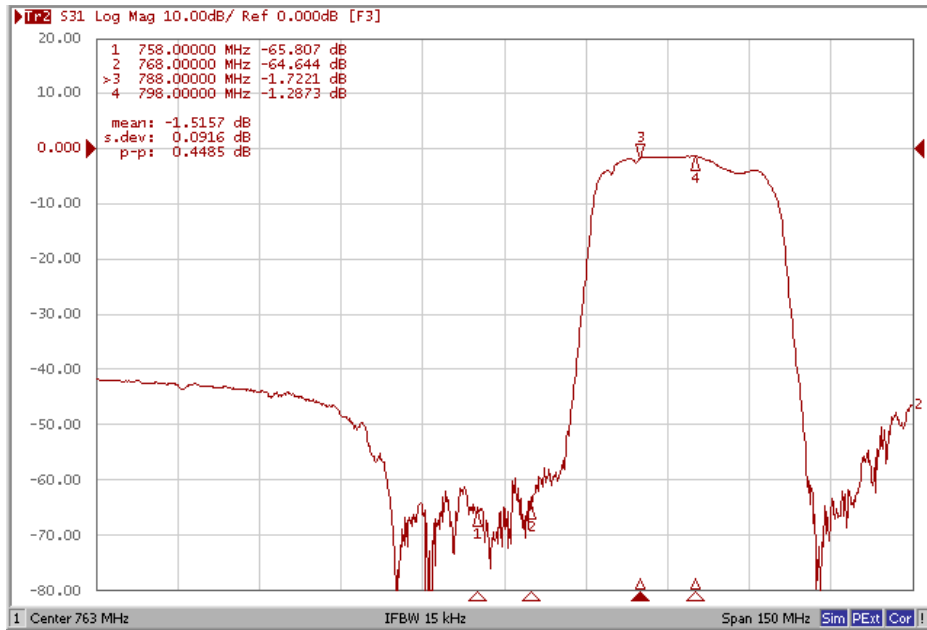
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Uplink (793.0 MHz)
H	Downlink (763.0MHz)

## Testing Environment

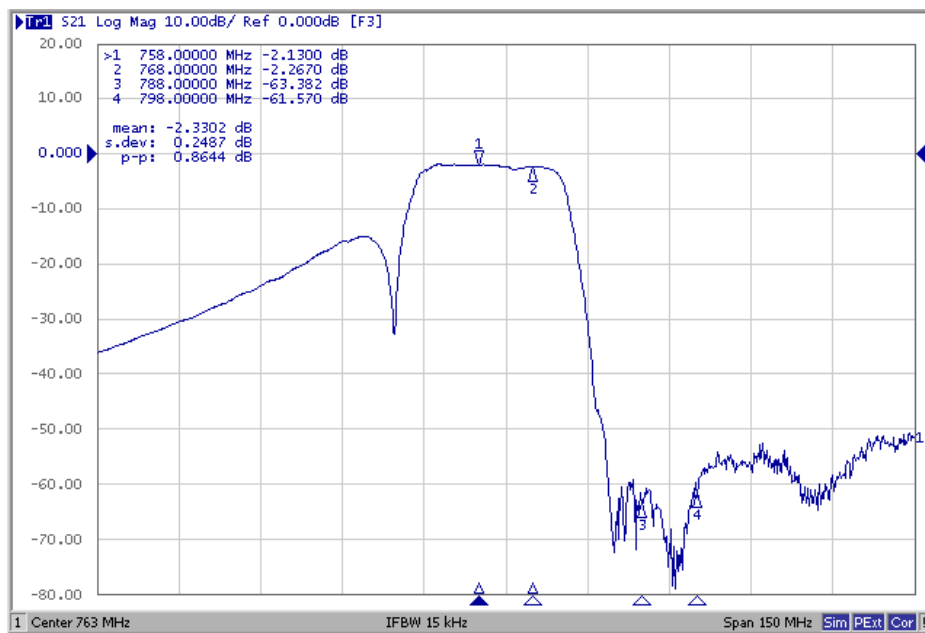


## Frequency Characteristics

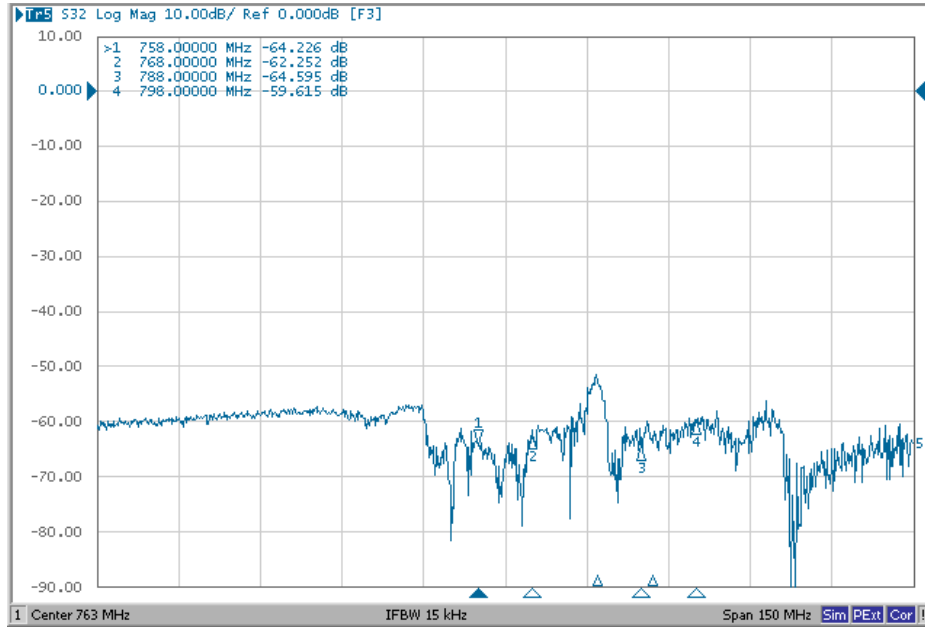
**Uplink to Ant**



**Ant to Downlink**

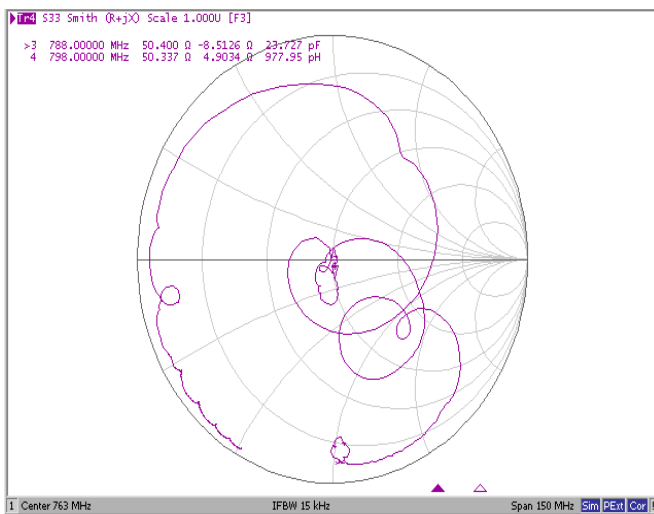


**Isolation**

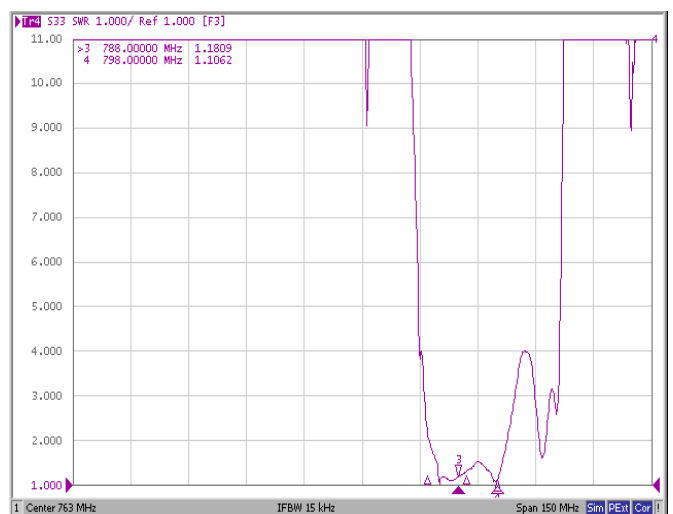


**Uplink**

**Smith Chart**

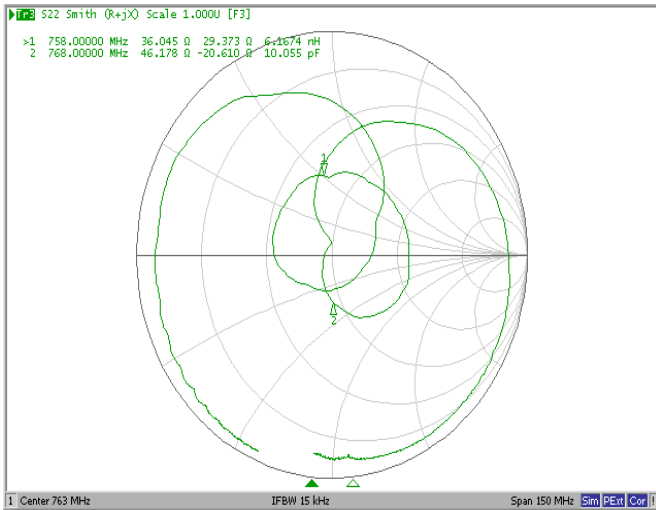


**VSWR**

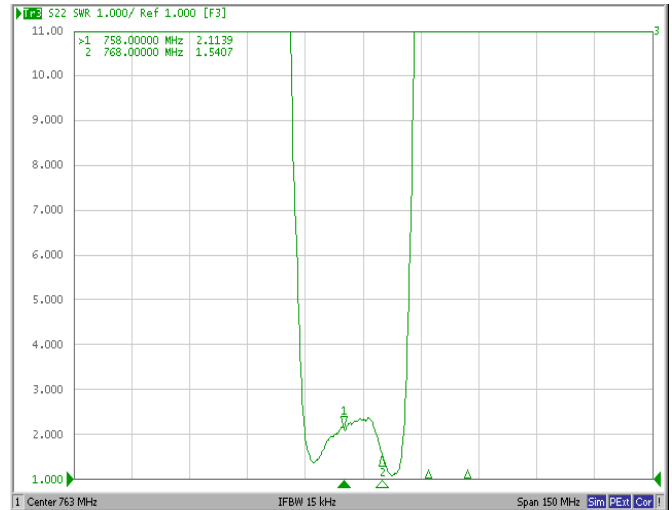


**Downlink**

**Smith Chart**

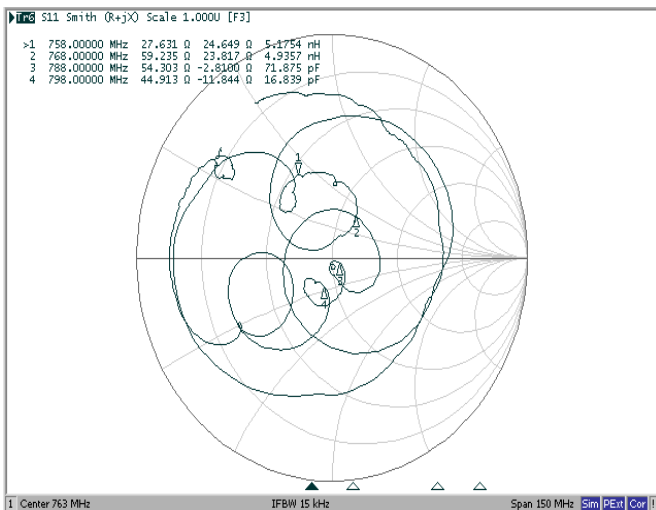


**VSWR**



**Antenna**

**Smith Chart**



**VSWR**

