- **WIMAX, RF SAW Filter**
- **Revision 0: October 2010**

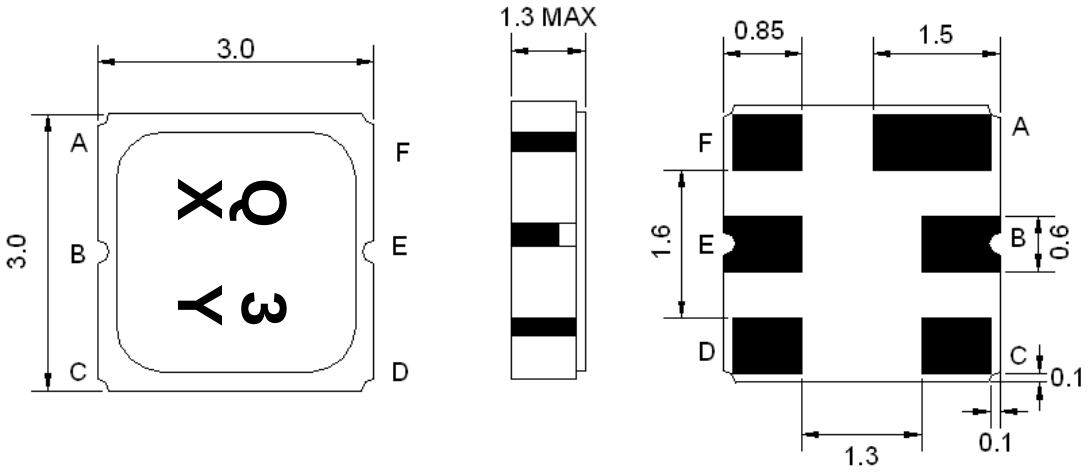
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	26
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	M			
Length x Width	mm²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	2345.0	-
Insertion Loss within 2330.0 ~ 2360.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 2330.0 ~ 2360.0 MHz	dB_{p-p}	-	0.6	1.5
Return Loss within 2330.0 ~ 2360.0 MHz	dB	8	10	-
Attenuation:				
800.0 ~ 1900.0 MHz	dB	30	37	-
1920.0 ~ 1980.0 MHz (WCDMA UL)	dB	35	47	-
2110.0 ~ 2170.0 MHz (WCDMA DL)	dB	40	45	-
2400.0 ~ 2420.0 MHz	dB	15	35	-
2420.0 ~ 2497.0 MHz	dB	40	53	-
2nd Harmonic (4690.0 MHz)	dB	18	23	-
3rd Harmonic (7035.0 MHz)	dB	2	5	-

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

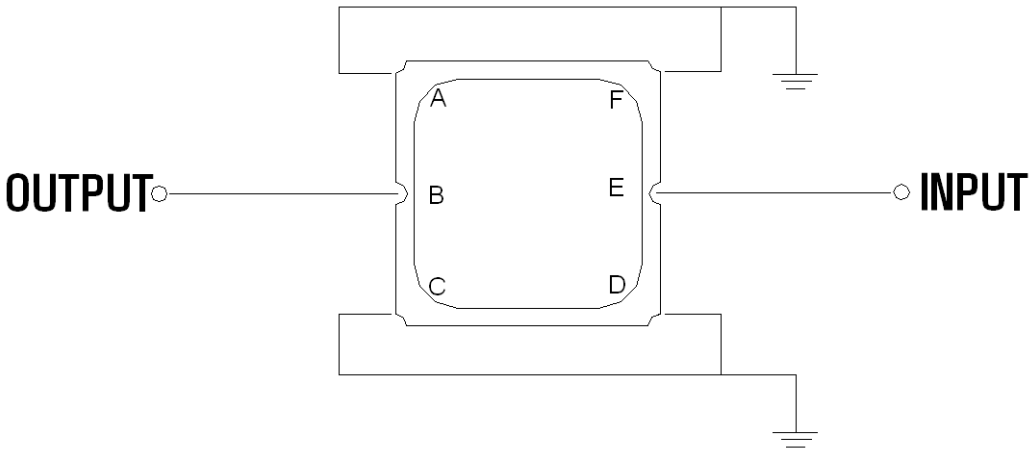
Package Dimensions



Marking Descriptions	
Q	WiMAX Application
3	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

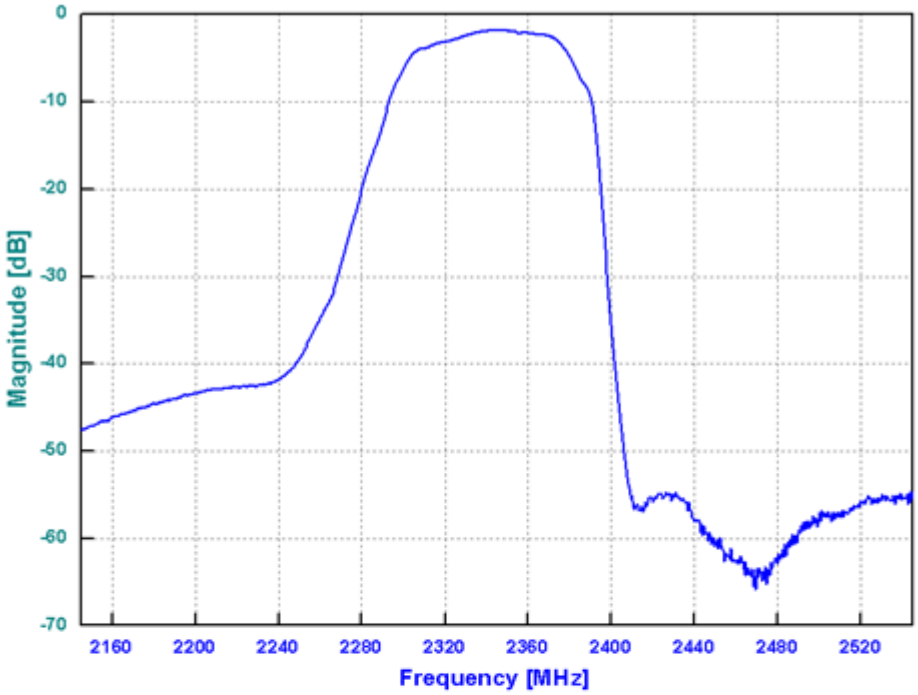
Testing Environment

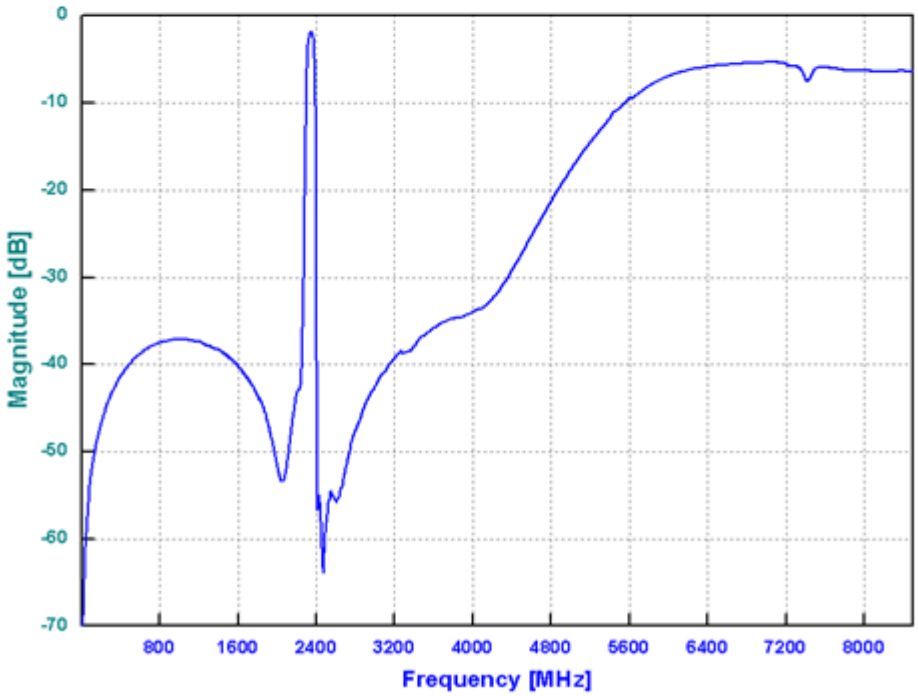


Source & Load Impedance: 50 Ω

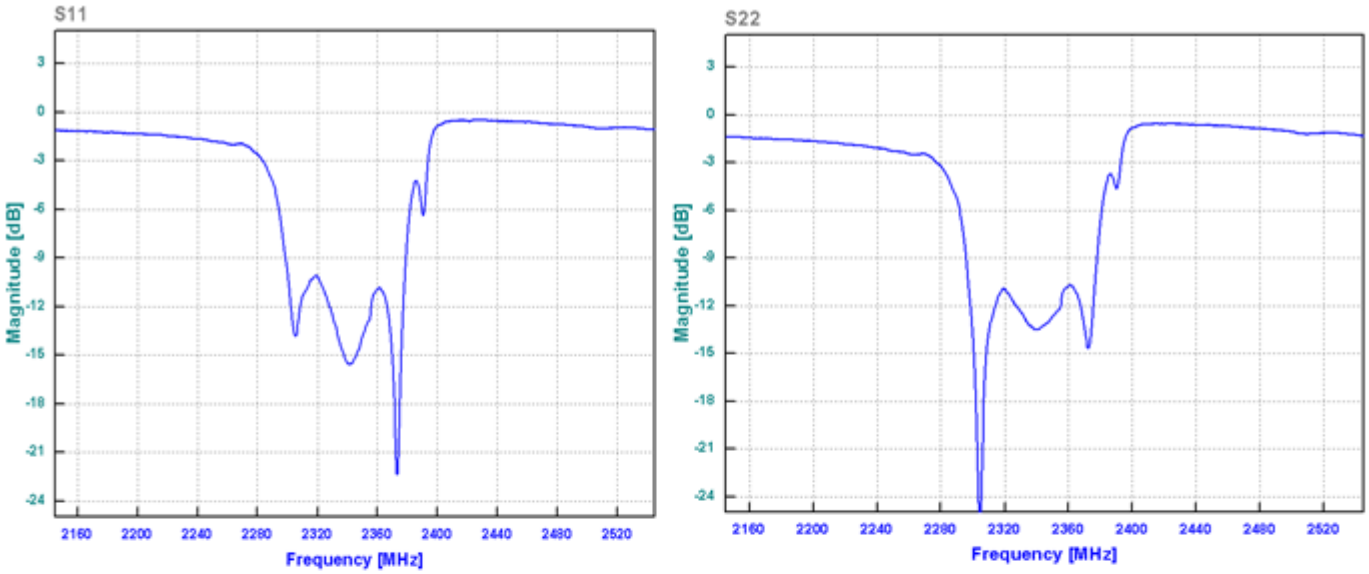
Frequency Characteristics

Frequency Response

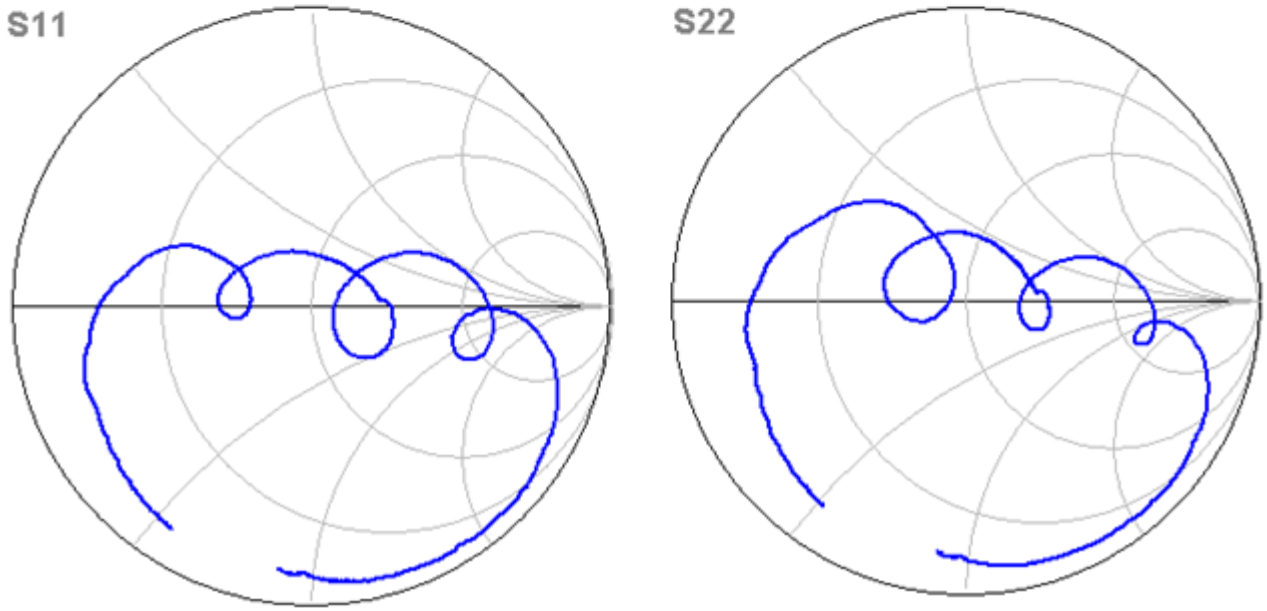




Return Loss



Smith Chart



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