

- WCDMA, RF-Tx SAW Filter
- Revision 0: March 2007

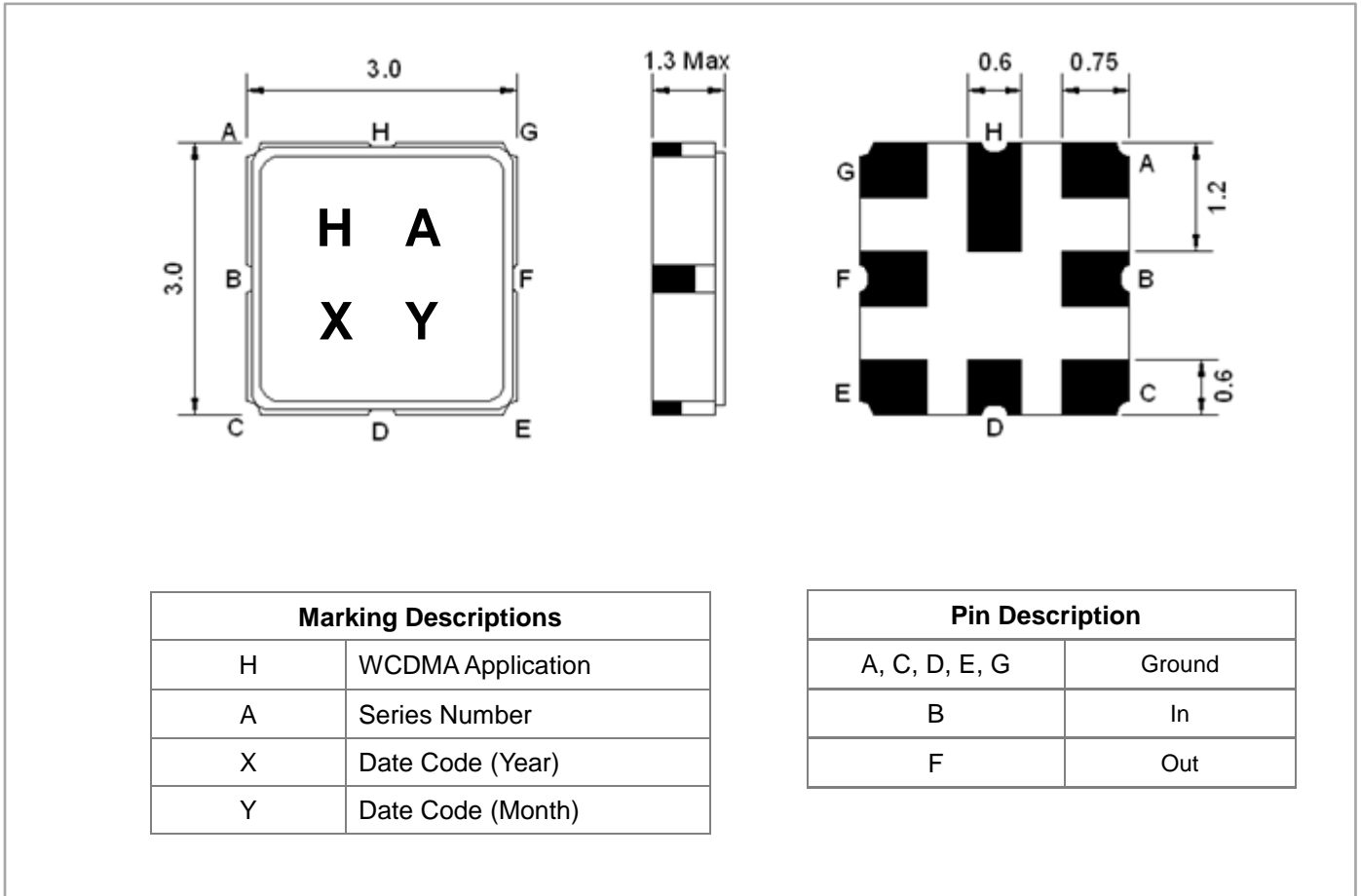
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-20	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M1			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

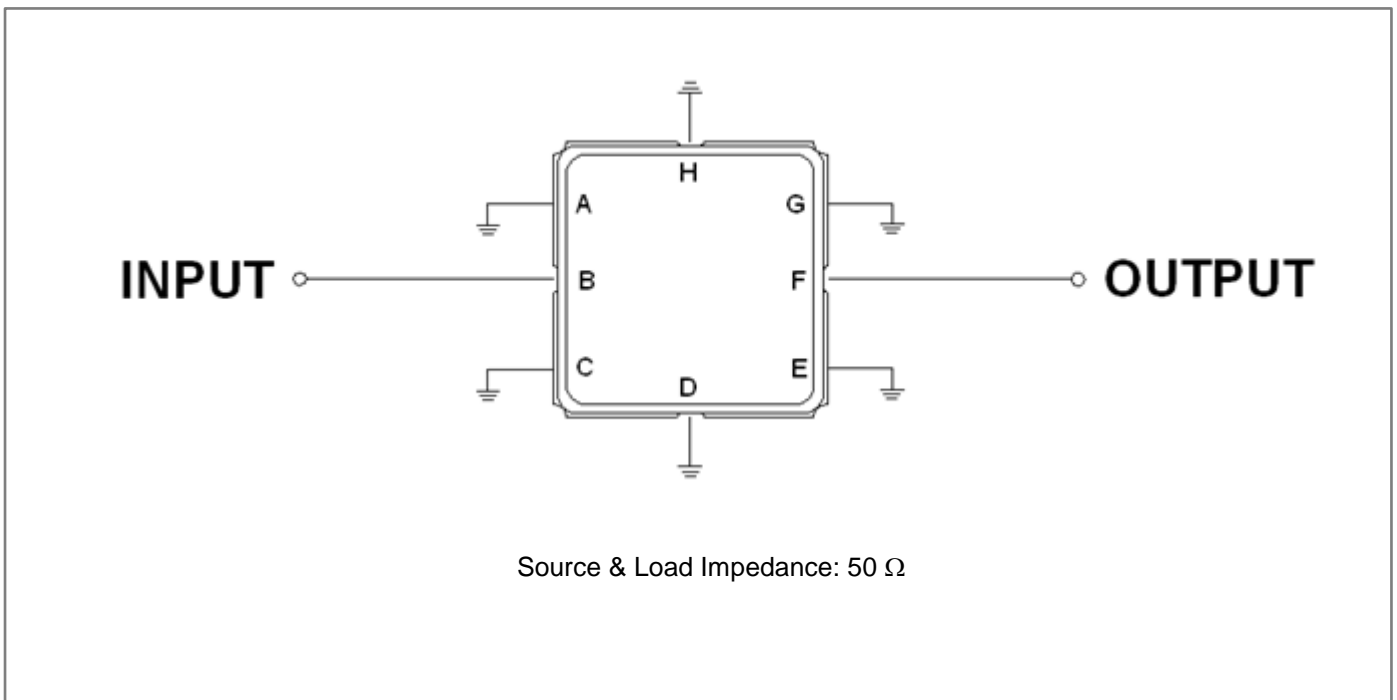
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1950.0	-
Insertion Loss within 1932.5 ~ 1967.5 MHz	dB	-	1.6	3.0
Amplitude Ripple within 1932.5 ~1967.5 MHz	dB <sub>p-p</sub>	-	0.5	1.5
Group Delay Ripple within 1932.5 ~ 1967.5 MHz	ns <sub>p-p</sub>	-	7.0	16
<b>Attenuation:</b>				
D.C. ~ 1780.0 MHz	dB	25	30	-
1780.0 ~ 1880.0 MHz	dB	30	35	-
2025.0 ~ 2140.0 MHz	dB	30	40	-
2140.0 ~ 3245.0 MHz	dB	25	30	-
3245.0 ~ 4000.0 MHz	dB	20	25	-
VSWR within 1932.5 ~ 1967.5 MHz	-	-	1.8	2.4

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

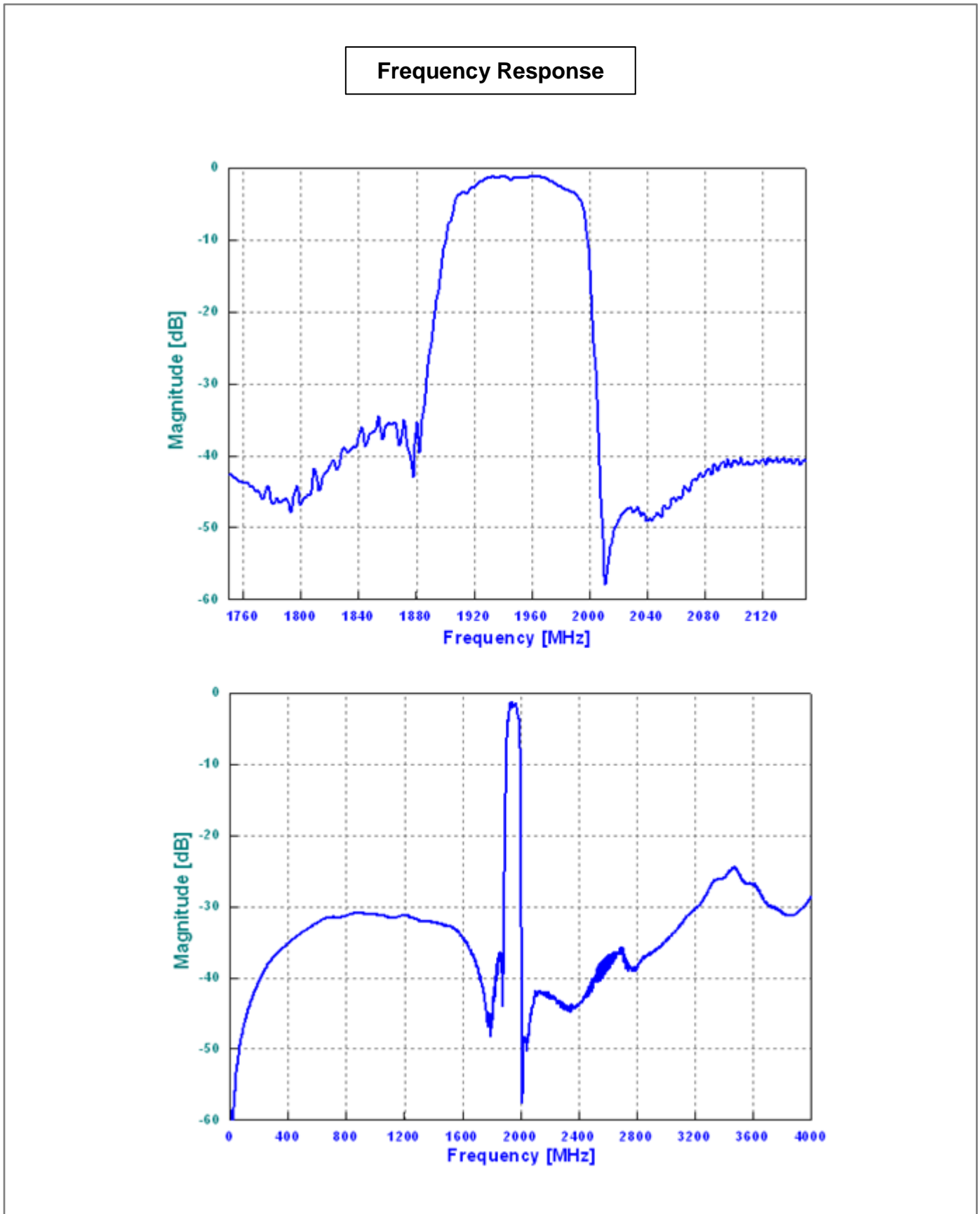
## Package Dimensions



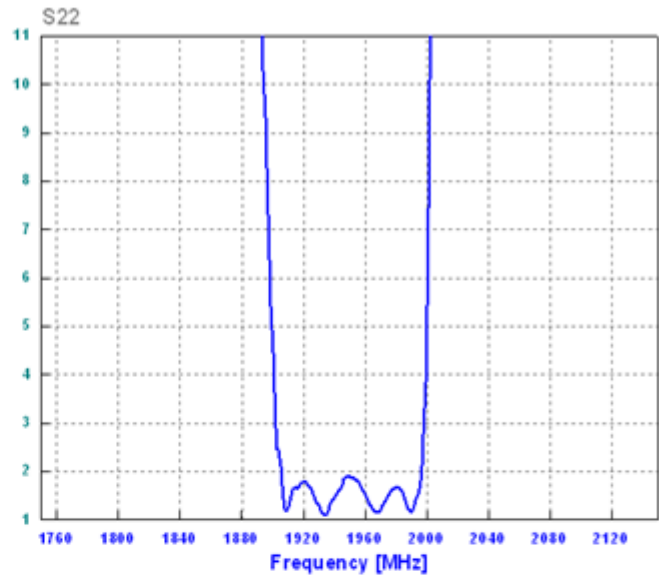
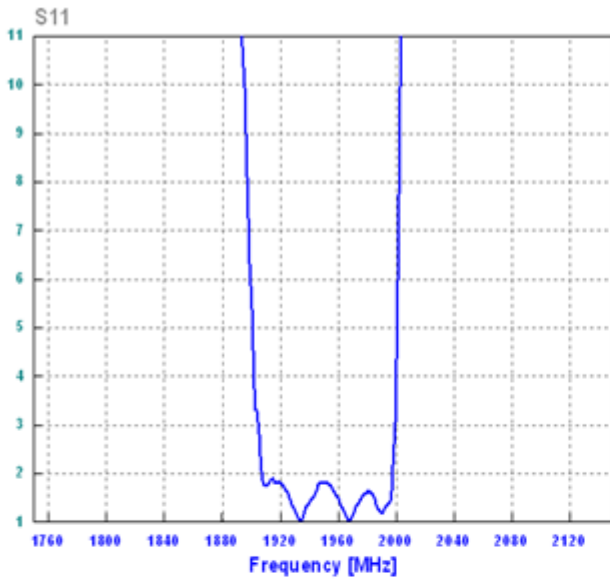
## Testing Environment



## Frequency Characteristics



**VSWR**



**Smith Chart**

