

- Wireless, Balanced RF SAW Filter
- Revision 0: October 2007

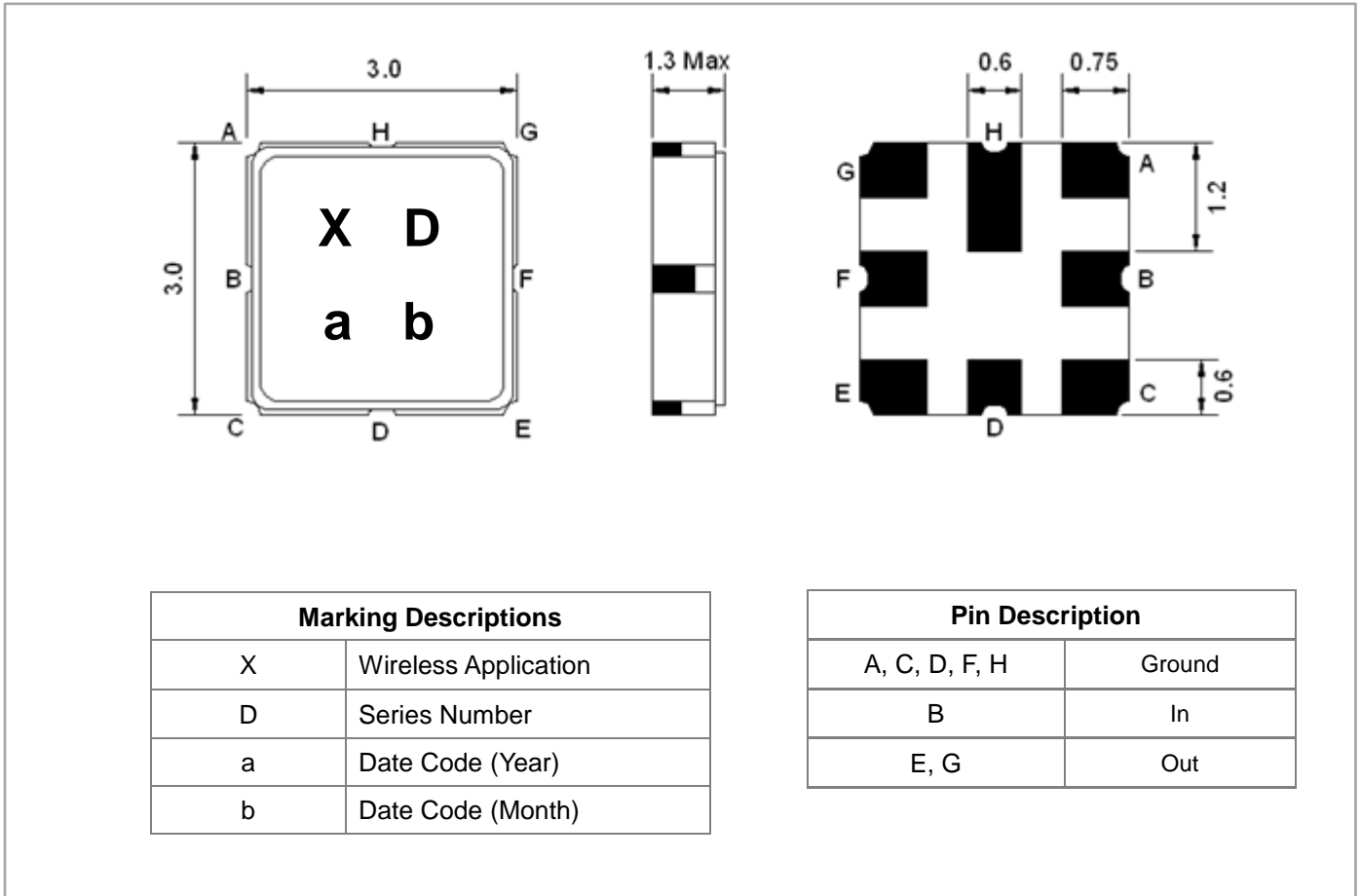
Electrical Characteristics

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	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M1			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

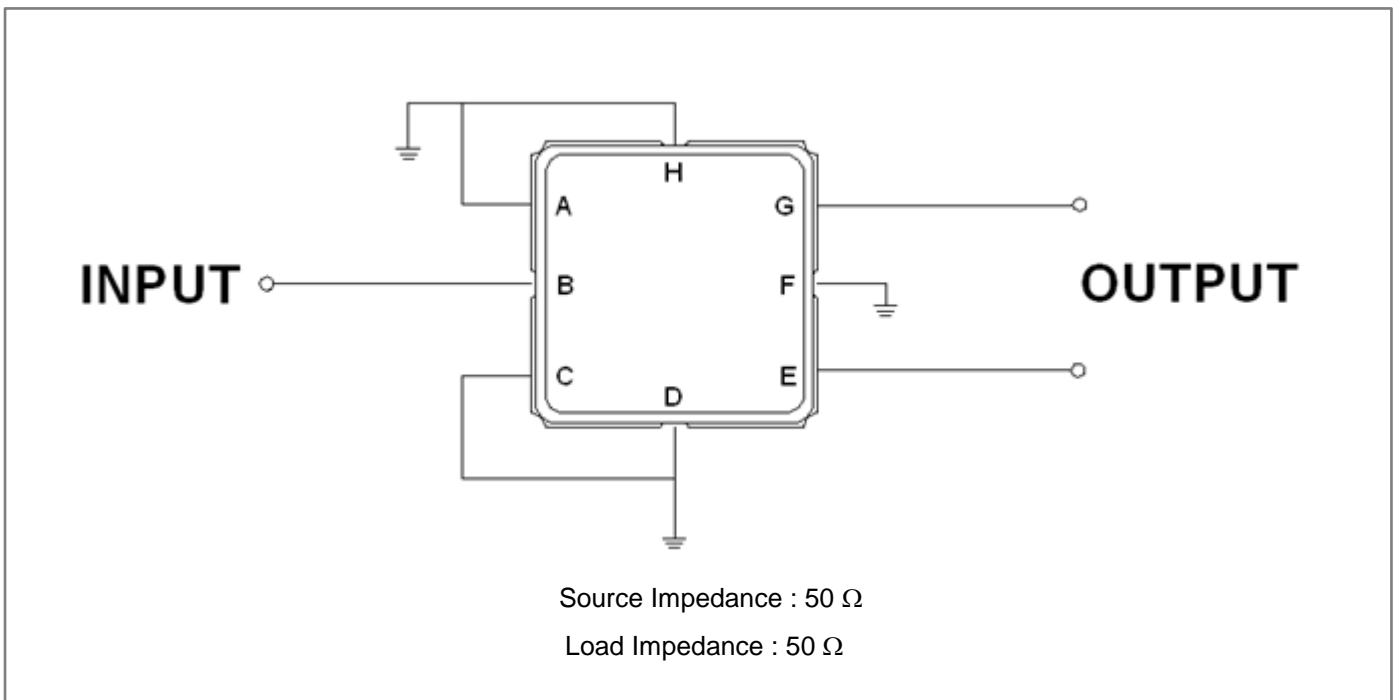
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1643.5	-
Insertion Loss within 1626.5 ~ 1660.5 MHz	dB	-	3.2	4.0
Amplitude Ripple within 1626.5 ~ 1660.5 MHz	dB _{p-p}	-	0.6	1.5
Attenuation:				
D.C. ~ 1000.0 MHz	dB	50	60	-
1000.0 ~ 1575.0 MHz	dB	35	40	-
1575.0 ~ 1590.0 MHz	dB	20	33	-
1700.0 ~ 1750 MHz	dB	20	30	-
1750.0 ~ 1885.0 MHz	dB	37	45	-
1885.0 ~ 2200.0 MHz	dB	30	44	-
2200.0 ~ 2500.0 MHz	dB	28	38	-
2500.0 ~ 4000.0 MHz	dB	20	30	-
Input / Output VSWR within 1626.5 ~ 1660.5 MHz	-	-	1.7	2.2

Notes: (1) No Matching Network

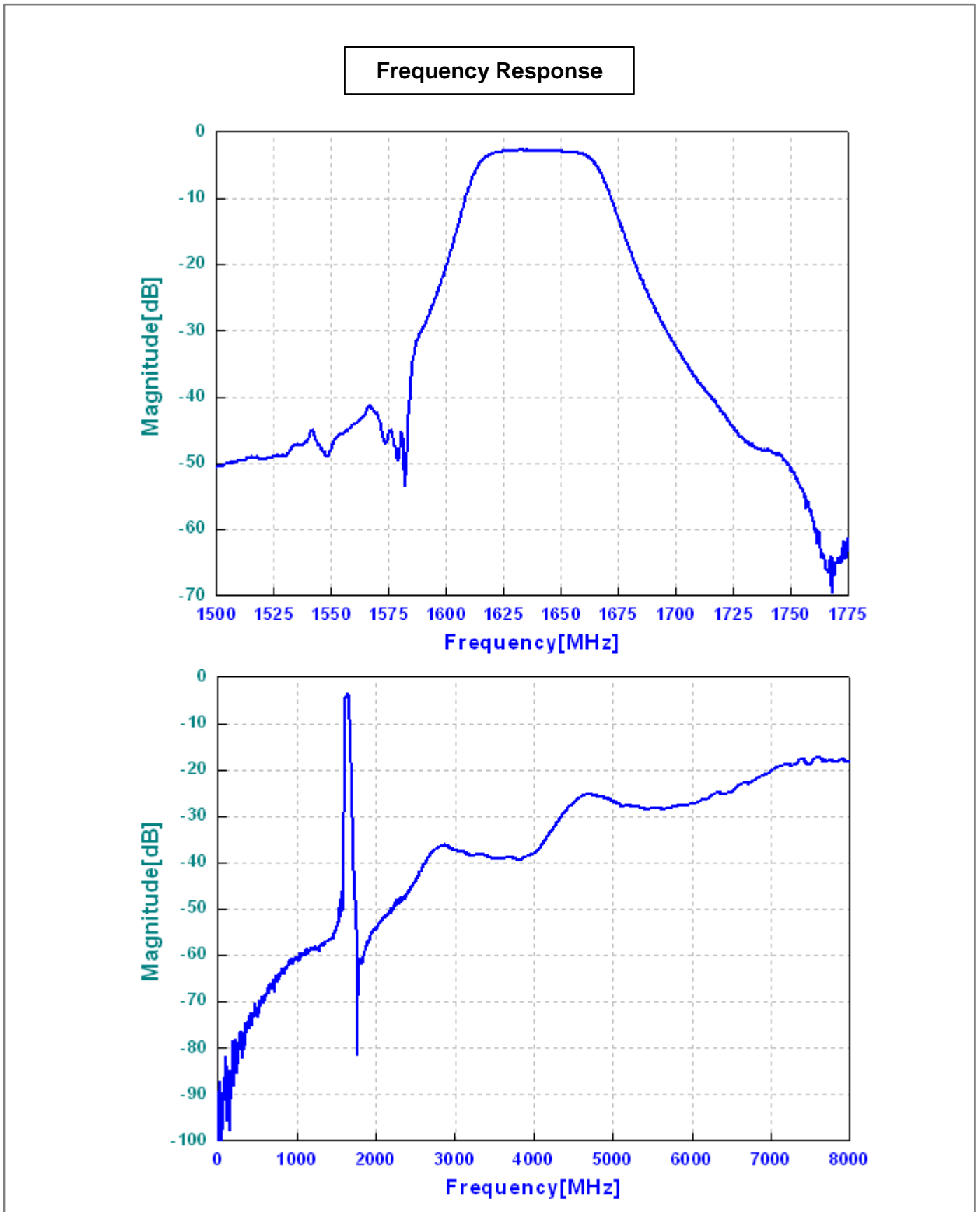
Package Dimensions



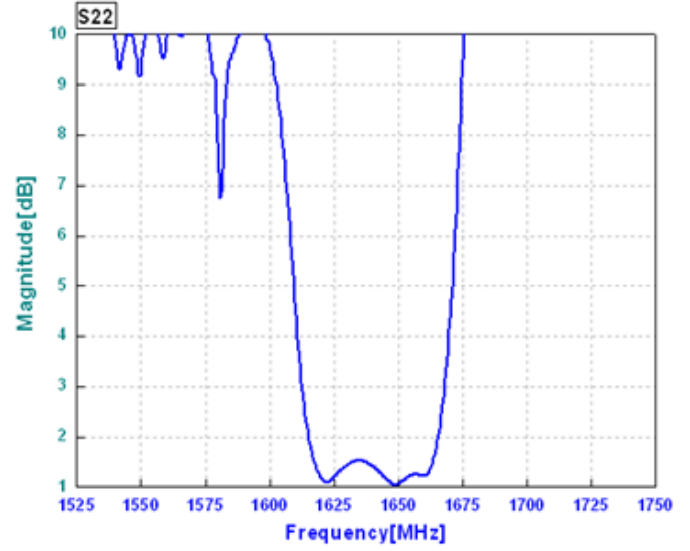
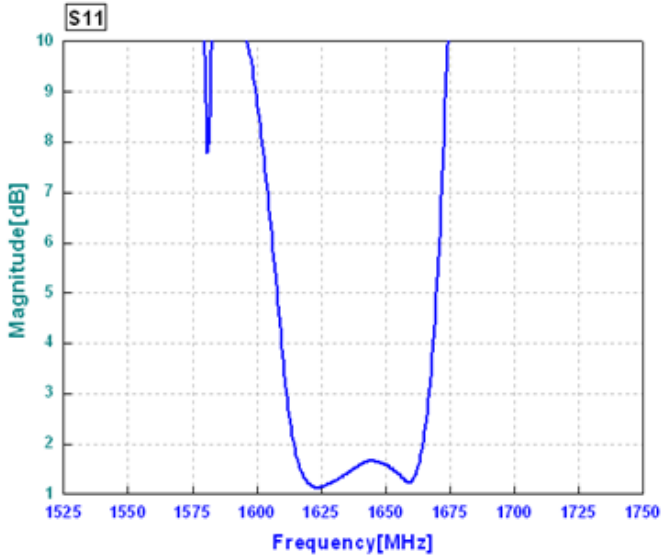
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

