

- Wireless, Balanced RF SAW Filter
- Revision 0: March 2004

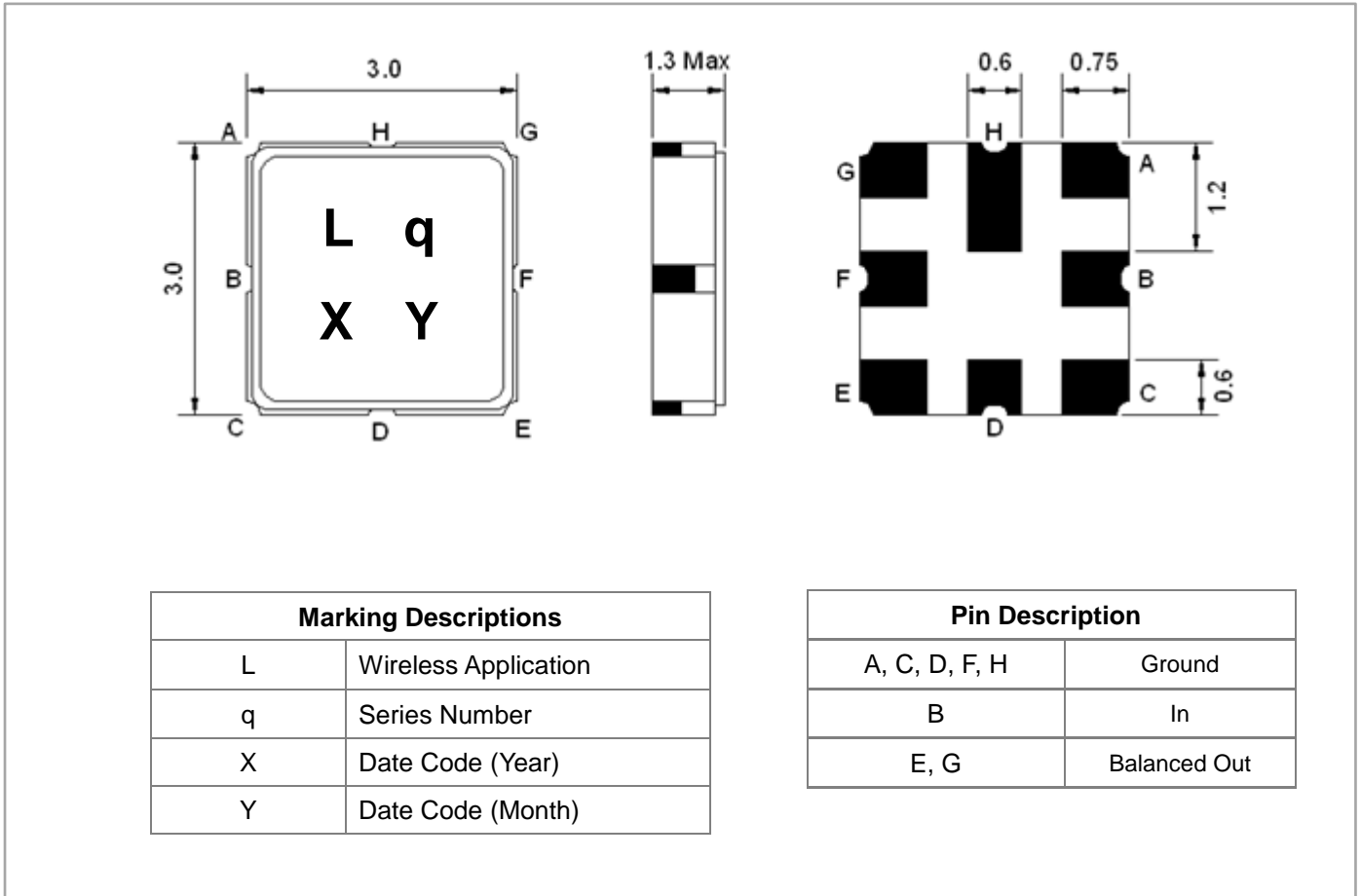
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
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

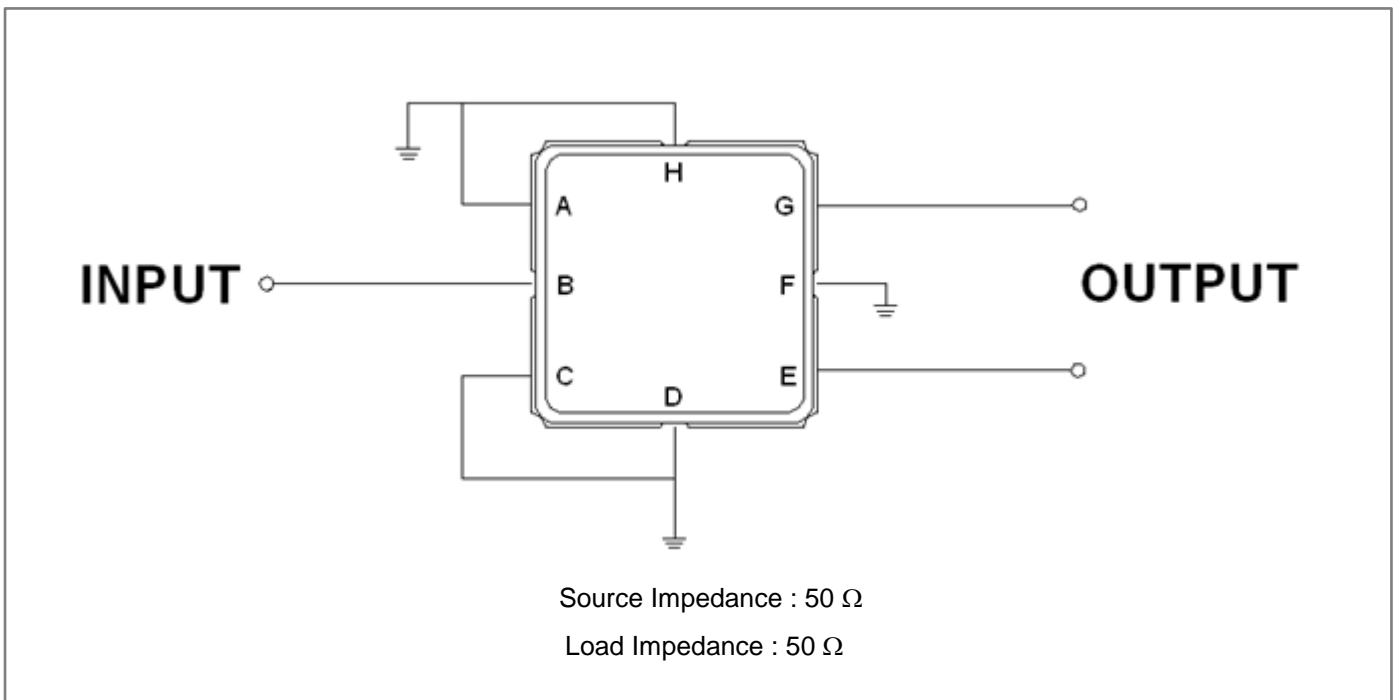
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1542.0	-
Maximum Insertion Loss within 1525 ~ 1559 MHz	dB	-	3.7	4.5
Amplitude Ripple within 1525 ~ 1559 MHz	dB _{p-p}	-	0.7	1.5
Attenuation:				
D.C. ~ 1000 MHz	dB	40	58	-
1000 ~ 1480 MHz	dB	32	38	-
1480 ~ 1490 MHz	dB	30	35	-
1575 MHz	dB	2	8	-
1600 ~ 1650 MHz	dB	20	25	-
1650 ~ 1785 MHz	dB	35	42	-
1785 ~ 2200 MHz	dB	30	40	-
2200 ~ 2500 MHz	dB	27	40	-
2500 ~ 4000 MHz	dB	20	35	-
VSWR within 1525 ~ 1559 MHz	-	-	1.7	2.2

Notes: (1) No Matching Network

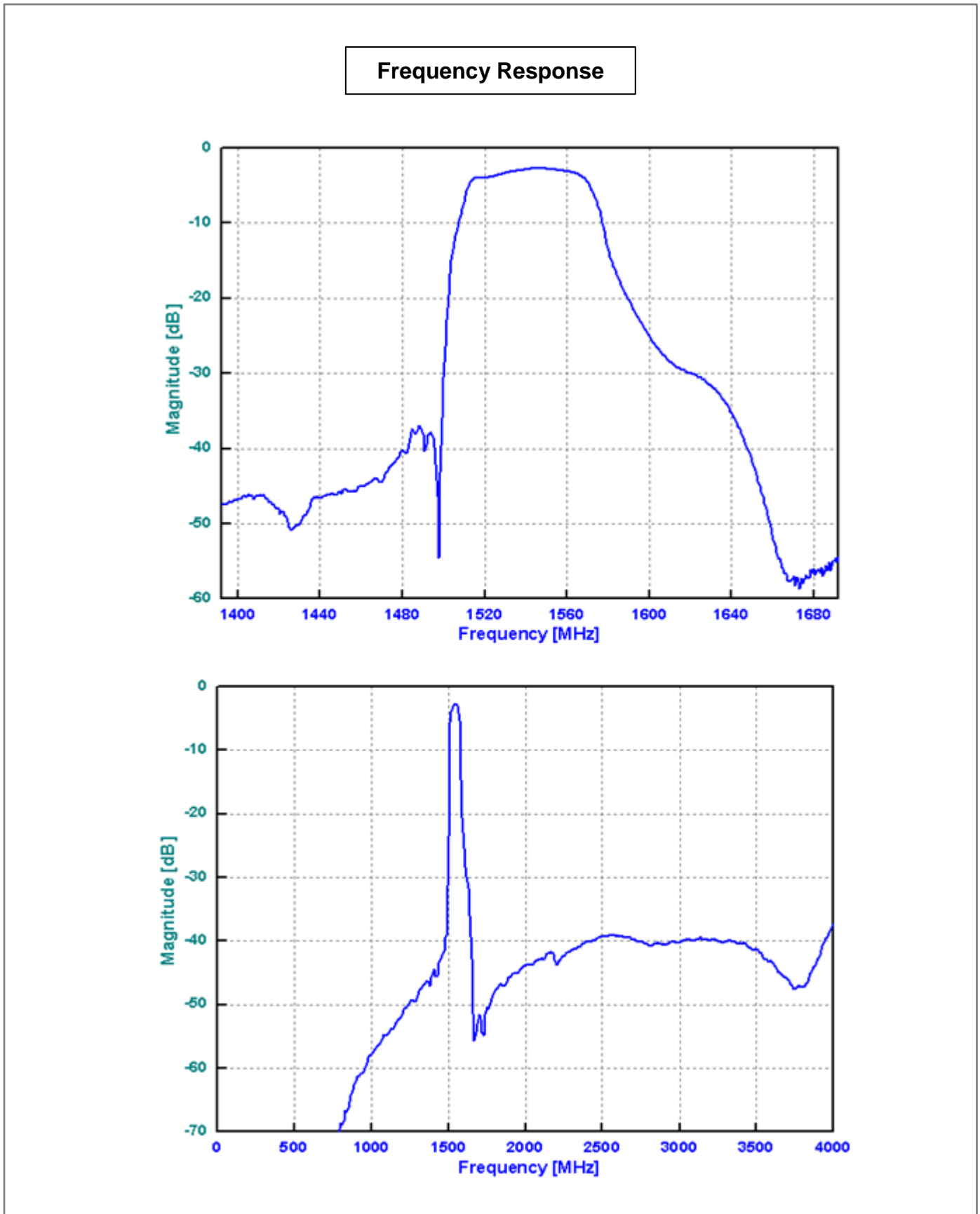
Package Dimensions



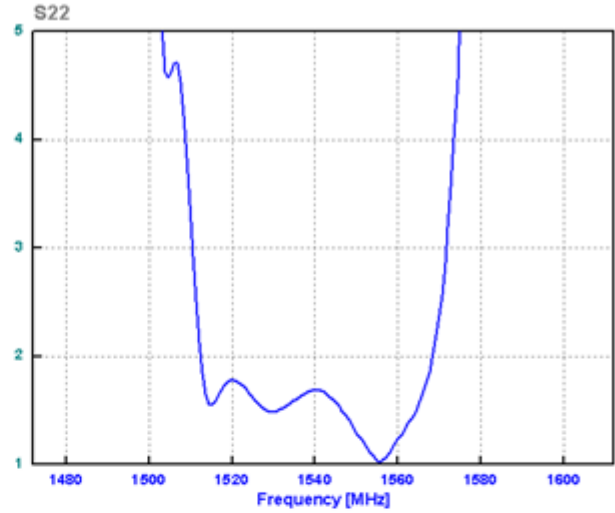
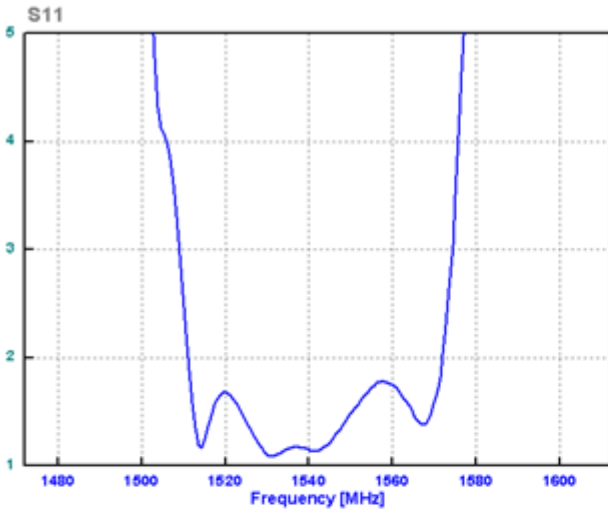
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

