

- Wireless, RF SAW Filter
- Revision 0: July 2013

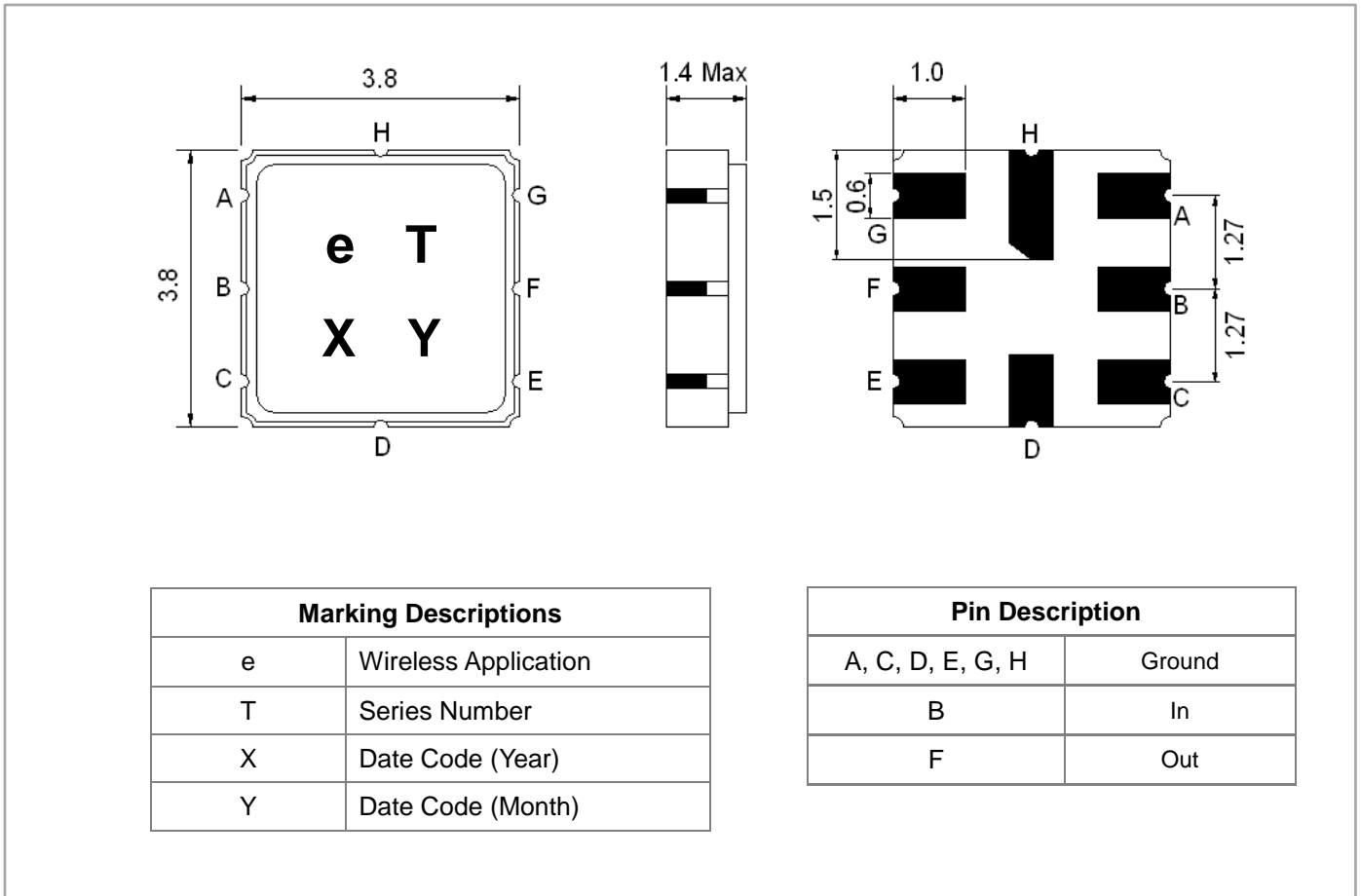
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S31			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

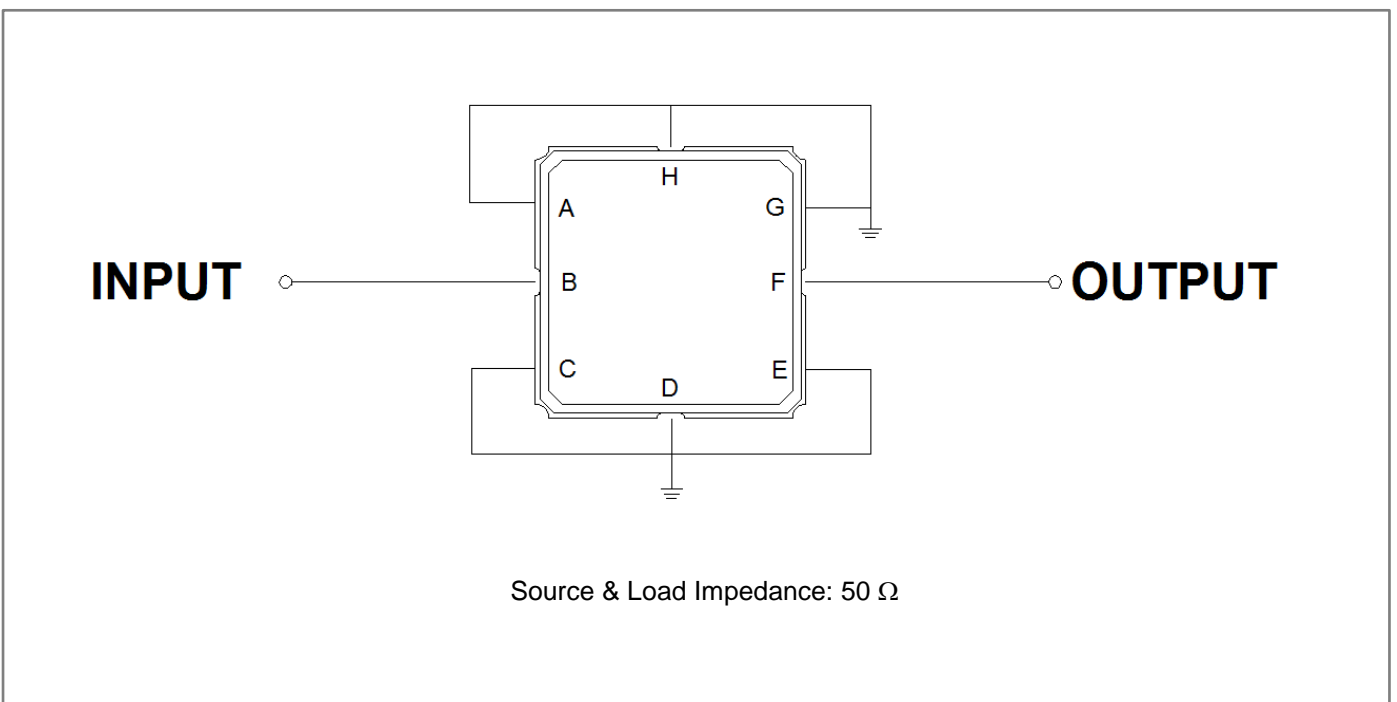
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	460.0	-
Insertion Loss within 450.0 ~ 470.0 MHz	dB	-	2.1	3.2
Amplitude Ripple within 450.0 ~ 470.0 MHz	dB _{p-p}	-	0.5	1.5
Attenuation:				
0.1 ~ 300.0 MHz	dB	45	55	-
300.0 ~ 380.0 MHz	dB	45	55	-
380.0 ~ 430.0 MHz	dB	20	30	-
480.0 ~ 500.0 MHz	dB	15	19	-
504.825 ~ 524.825 MHz	dB	35	45	-
559.65 ~ 579.65 MHz	dB	50	57	-
669.3 ~ 689.3 MHz	dB	40	50	-
689.3 ~ 1000.0 MHz	dB	45	52	-
Input Return Loss within 450.0 ~ 470.0 MHz	dB	10	17.5	-
Output Return Loss within 450.0 ~ 470.0 MHz	dB	10	17.5	-

Notes: (1) No Matching Network

Package Dimensions

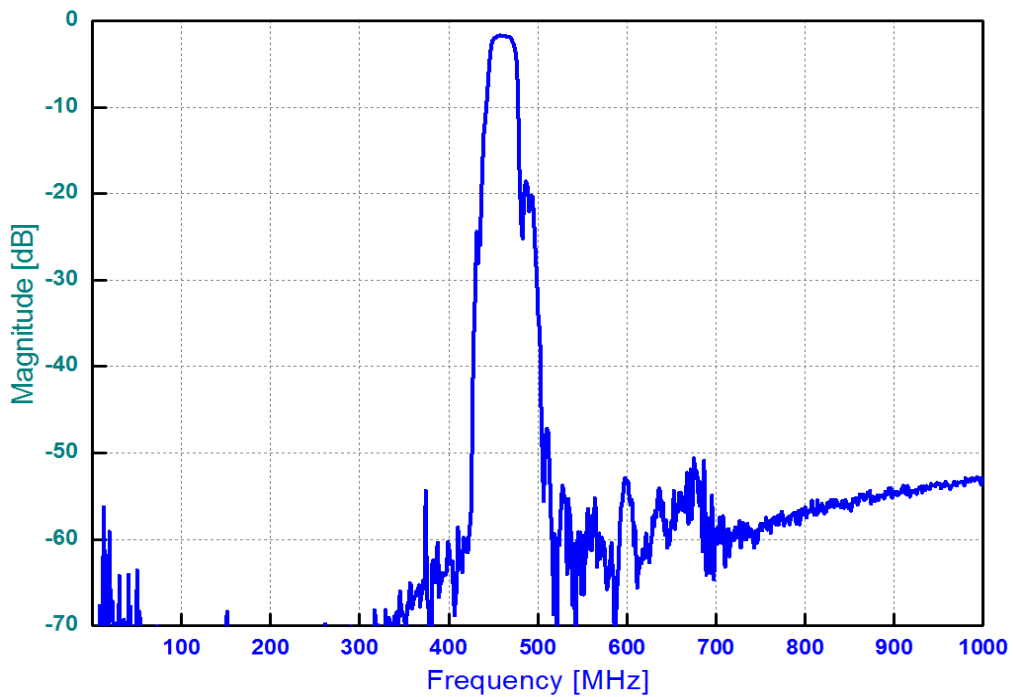
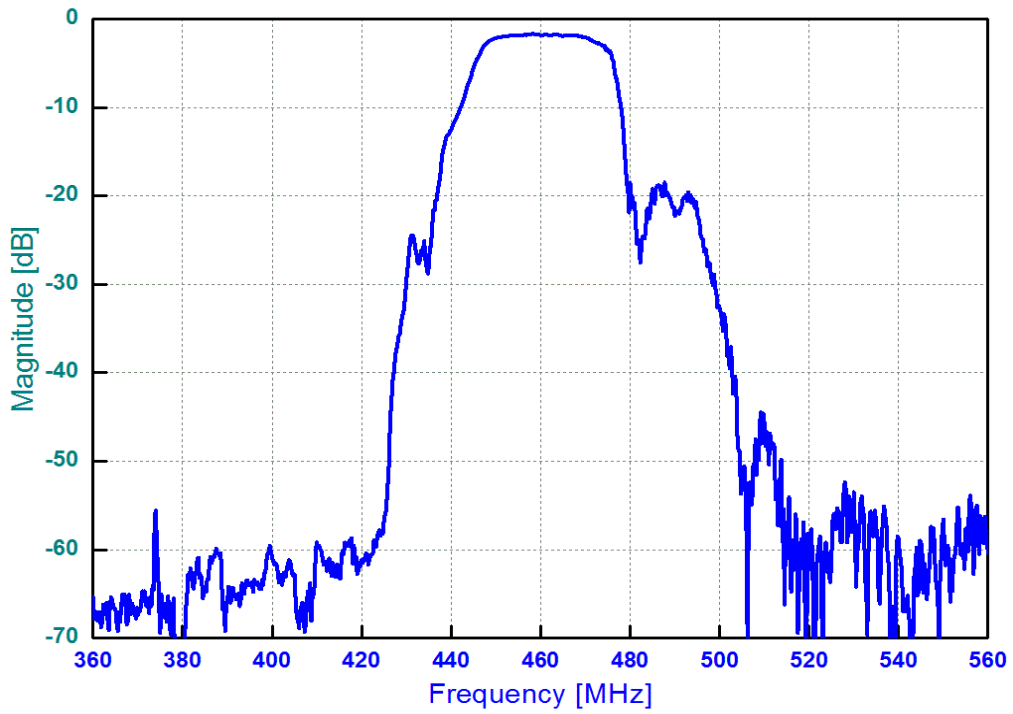


Testing Environment

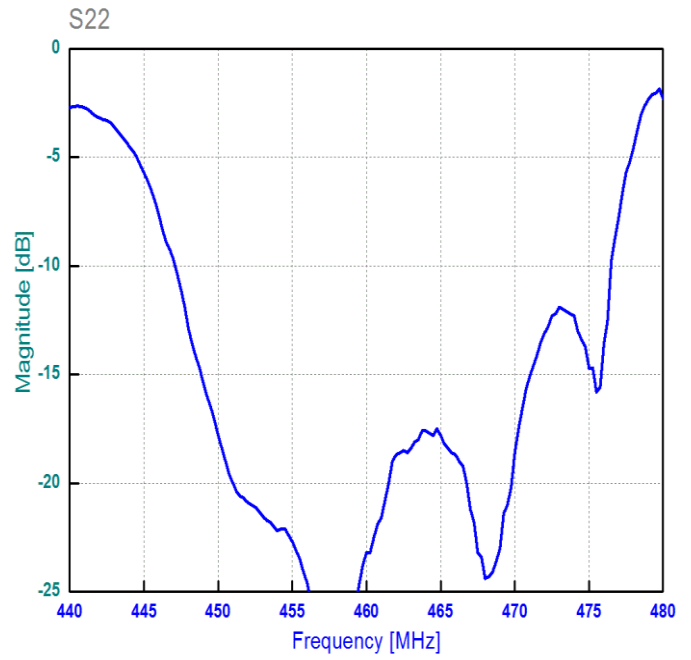
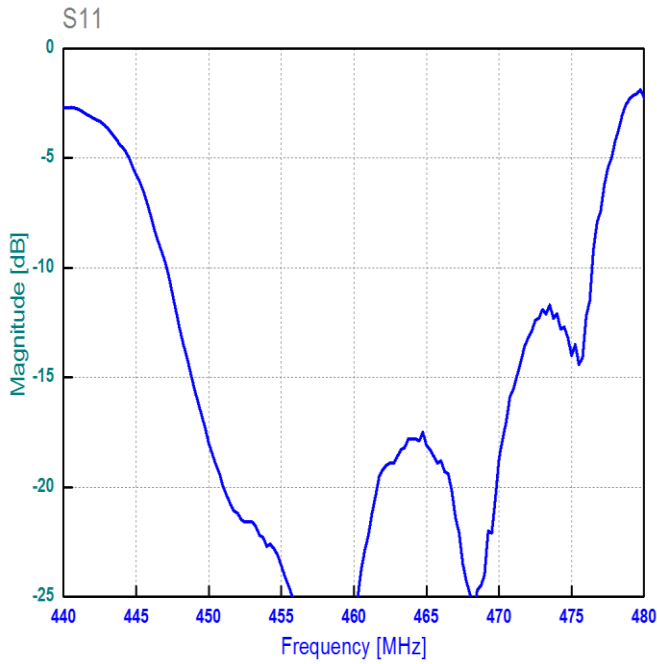


Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

