

- CDMA 450 D-Band, RF-Rx SAW Filter
- Revision 0: September 2004

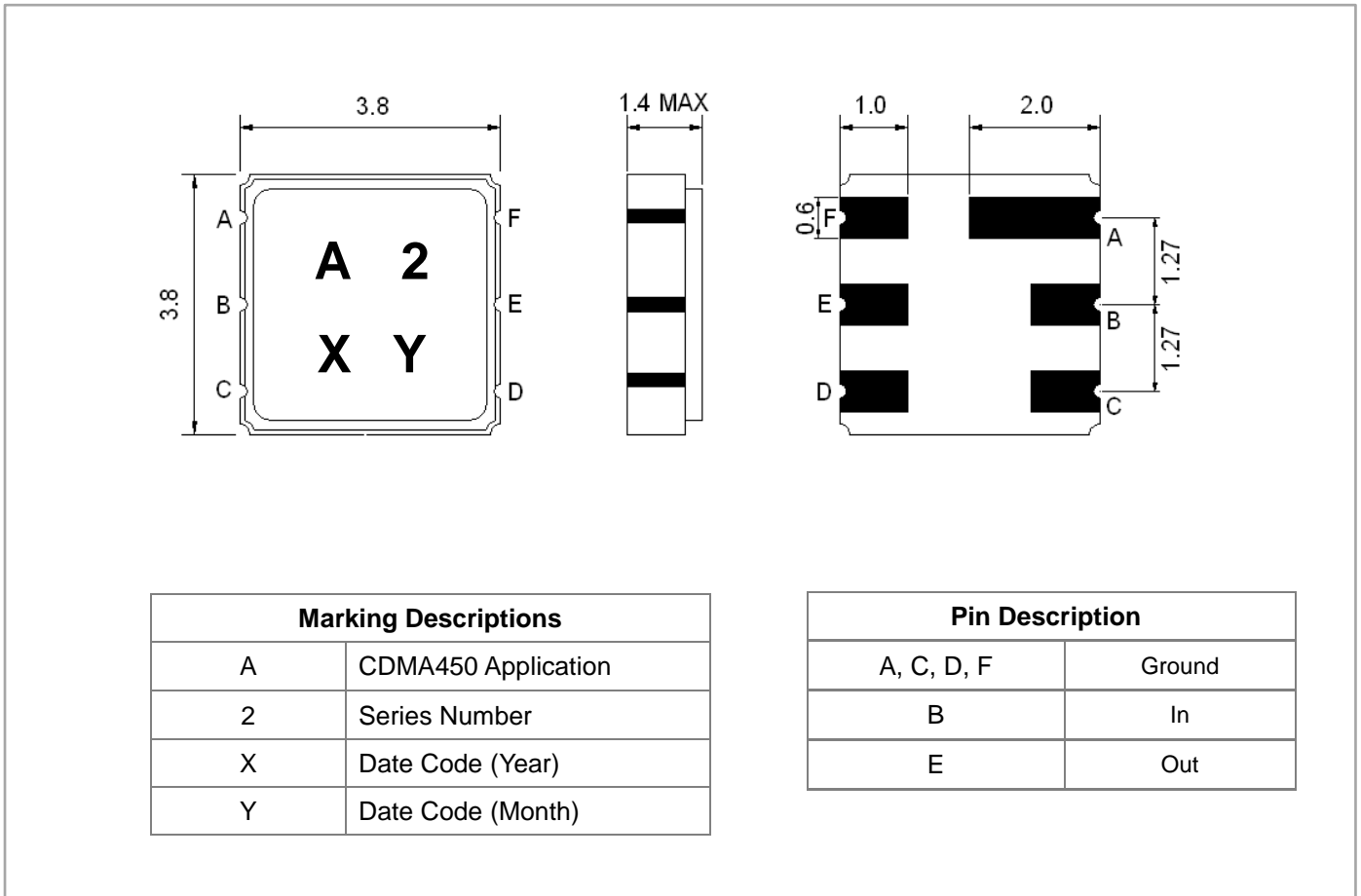
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	P			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.4

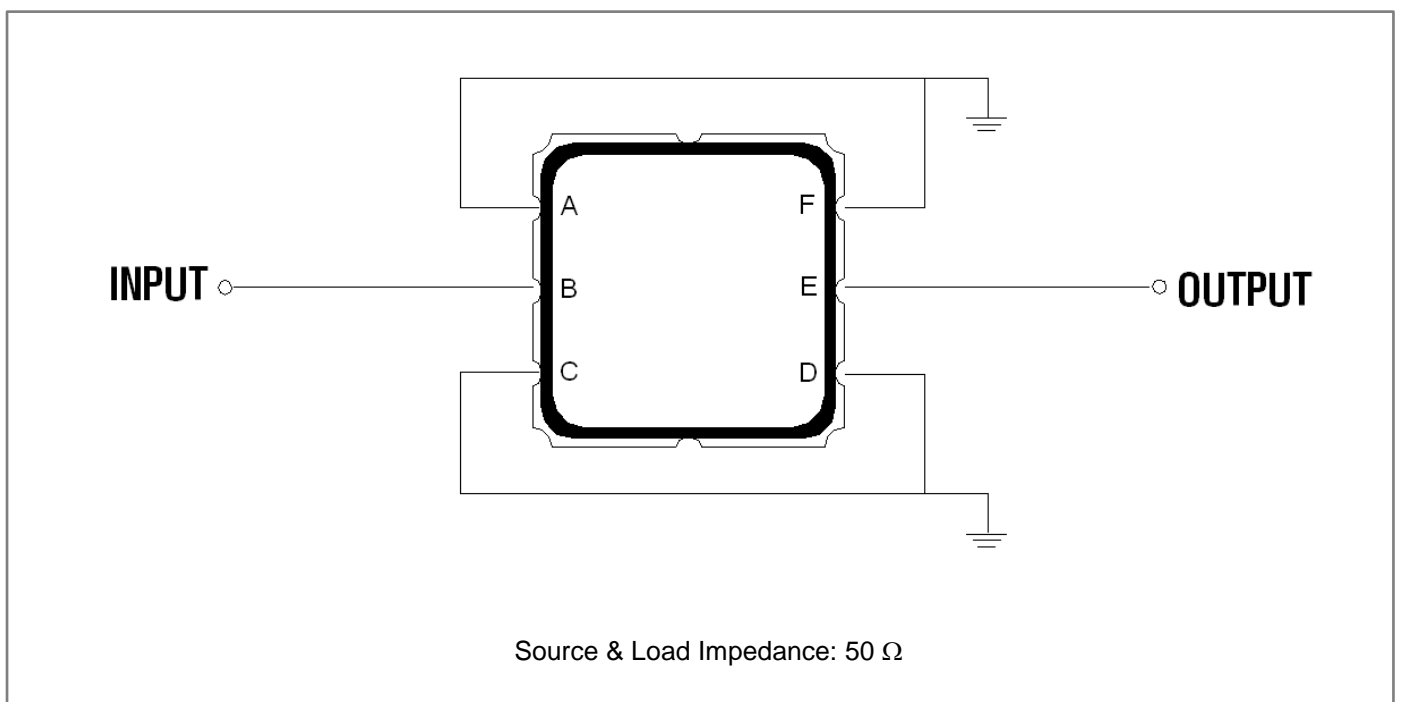
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	423.75	-
Insertion Loss in 421.6 ~425.9 MHz	dB	-	2.7	3.5
<b>Attenuation:</b>				
0.3 ~ 411.6 MHz	dB	40	48	-
411.6 ~ 415.9 MHz	dB	35	47	-
442.0 ~ 600.0 MHz	dB	40	47	-
600.0 ~ 1200 MHz	dB	30	40	-
1200 ~ 2000 MHz	dB	20	35	-
VSWR in 421.6 ~ 425.9 MHz	-	-	1.5	2.0

**Notes :** (1) No Matching Network

## Package Dimensions

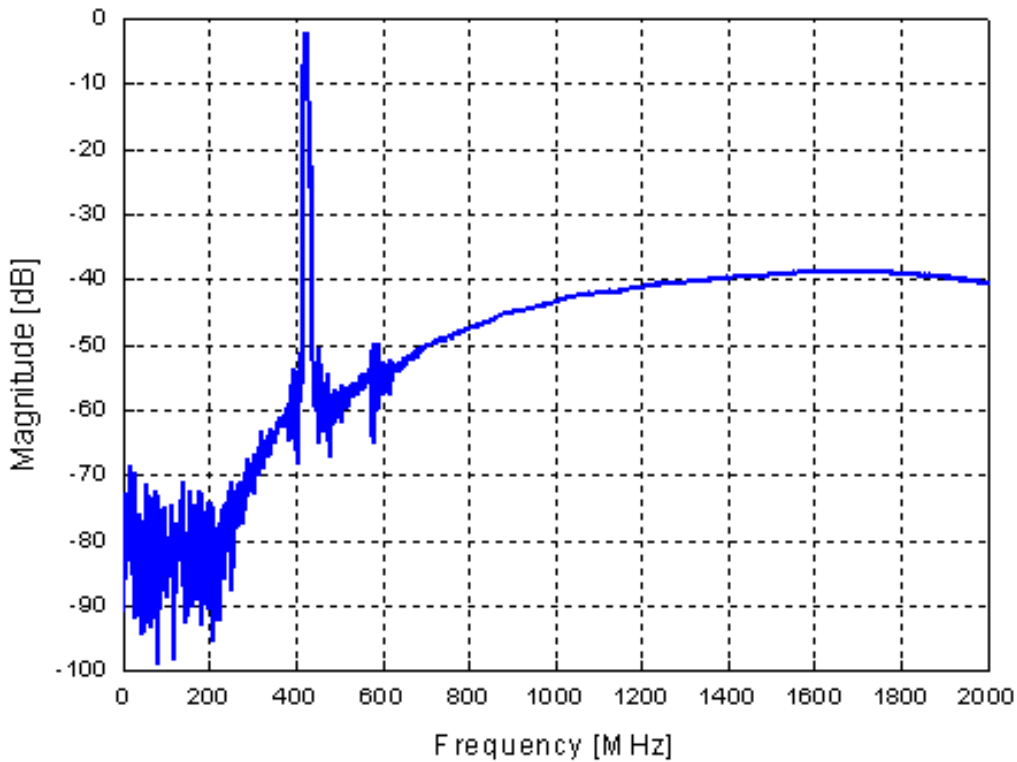
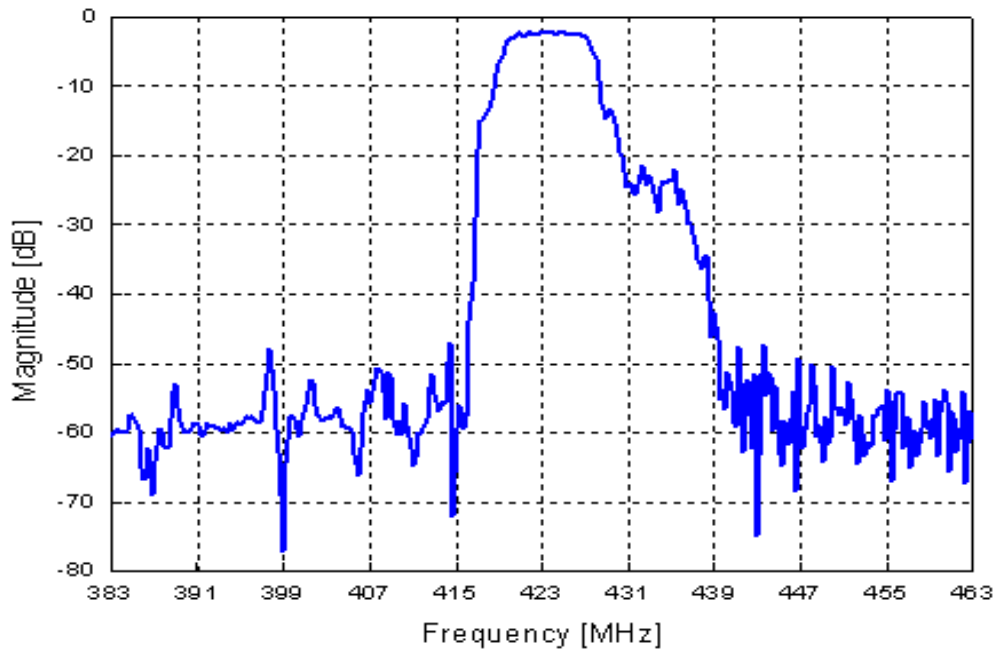


## Testing Environment

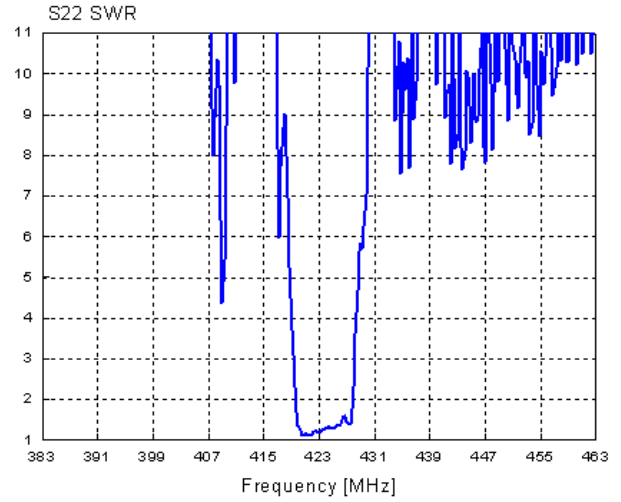
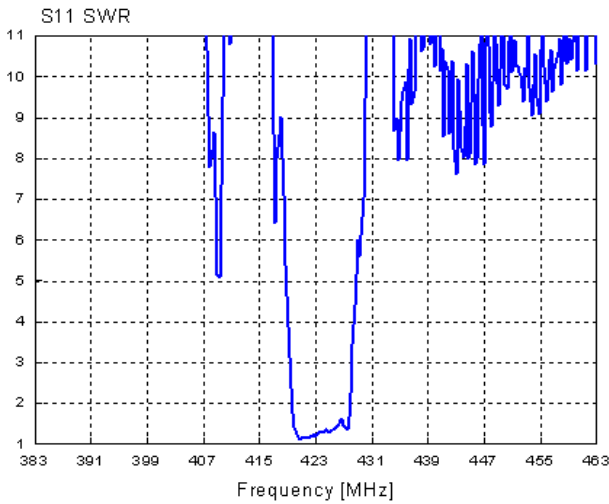


## Frequency Characteristics

Frequency Response



**VSWR**



**Smith Chart**

S11

$54.1556 + j12.5068$   
423.75 MHz

S22

$53.2483 + j10.7862$   
423.75 MHz

