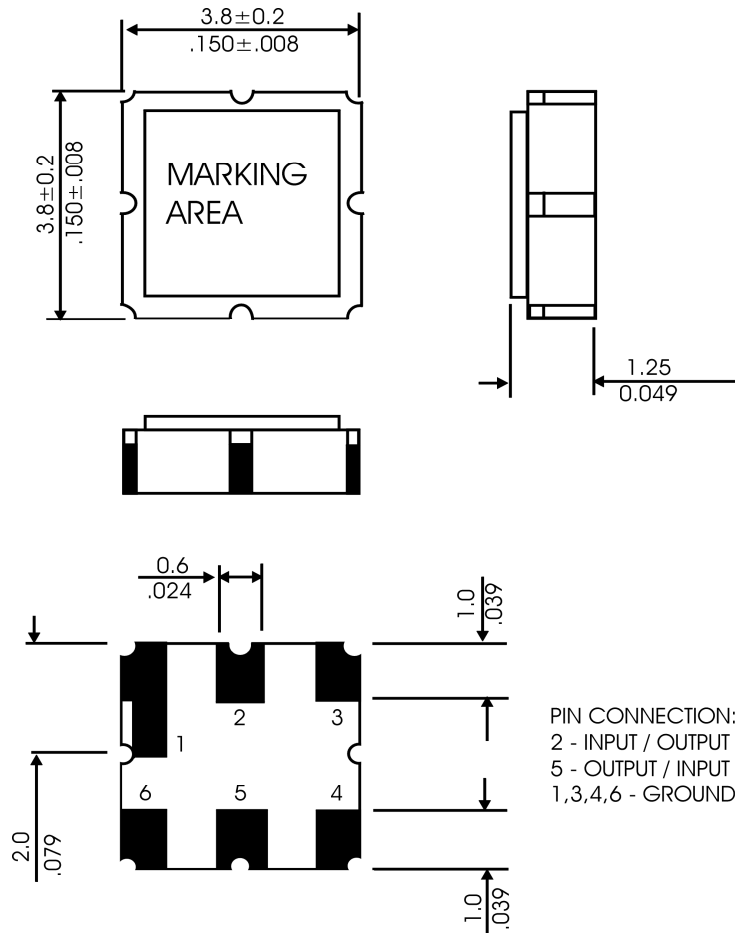
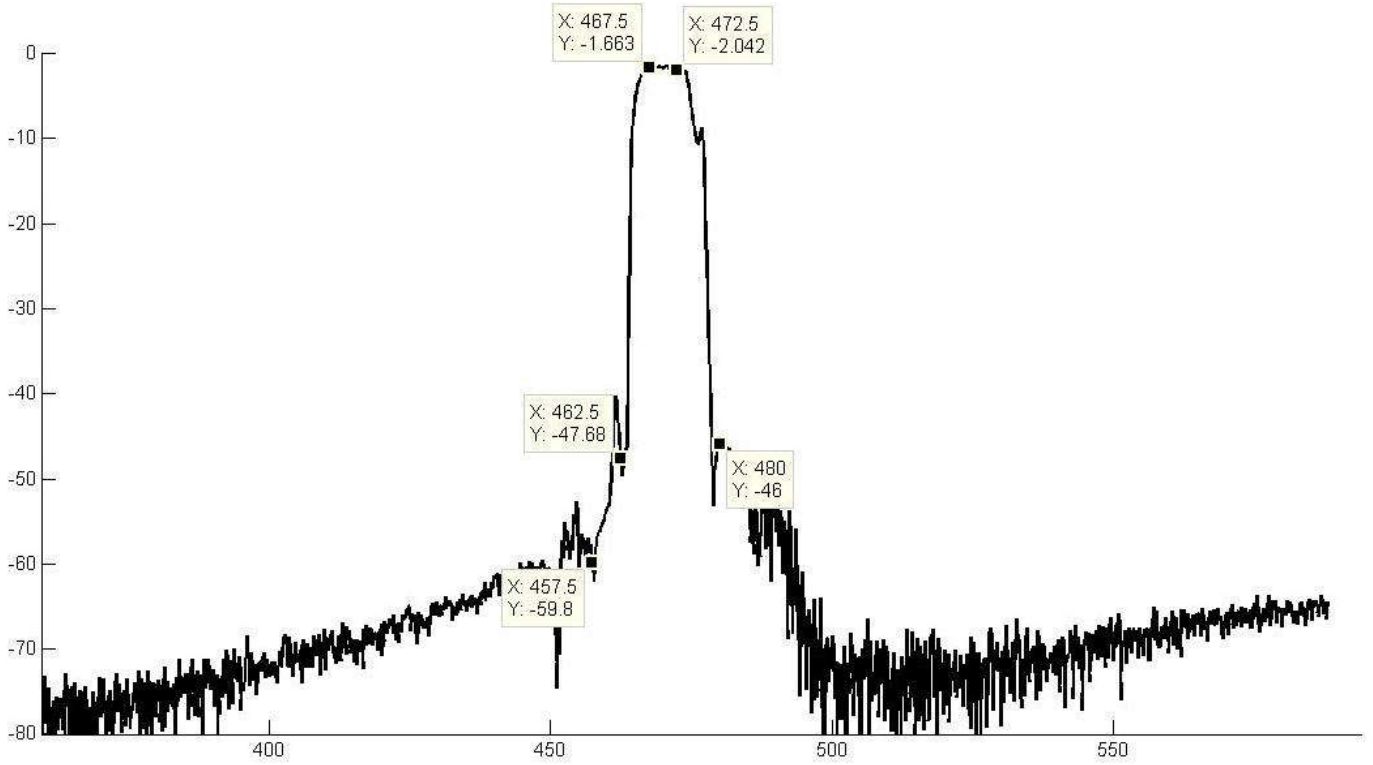


Items	Specification	Unit	
Center frequency (Fo)	470.000	MHz	
Bandwidth	5000	kHz	
Insertion Loss in BW, typ/max	2.0 / 2.6	dB	
Amplitude Ripple in BW, typ/max	0.5 / 1.0	dB	
VSWR in BW, typ/max	1.5 / 2.0	-	
Attenuation min/typ	0 MHz ~ 420 MHz	-50 / -65	dB
	420 MHz ~ 457.5 MHz	-45 / -50	dB
	457.5 MHz ~ 462.5 MHz	-40 / -42	dB
	480 MHz ~ 500 MHz	-35 / -46	dB
	500 MHz ~ 800 MHz	37 / -60	dB
	800 MHz ~ 2400 MHz	-20 / -55	dB
Input Power, max	23	dBm	
In/Out Impedance	50	$\Omega$	
Operating Temperature Range	-40 to +85	$^{\circ}\text{C}$	
Storage Temperature	-40 to +85	$^{\circ}\text{C}$	

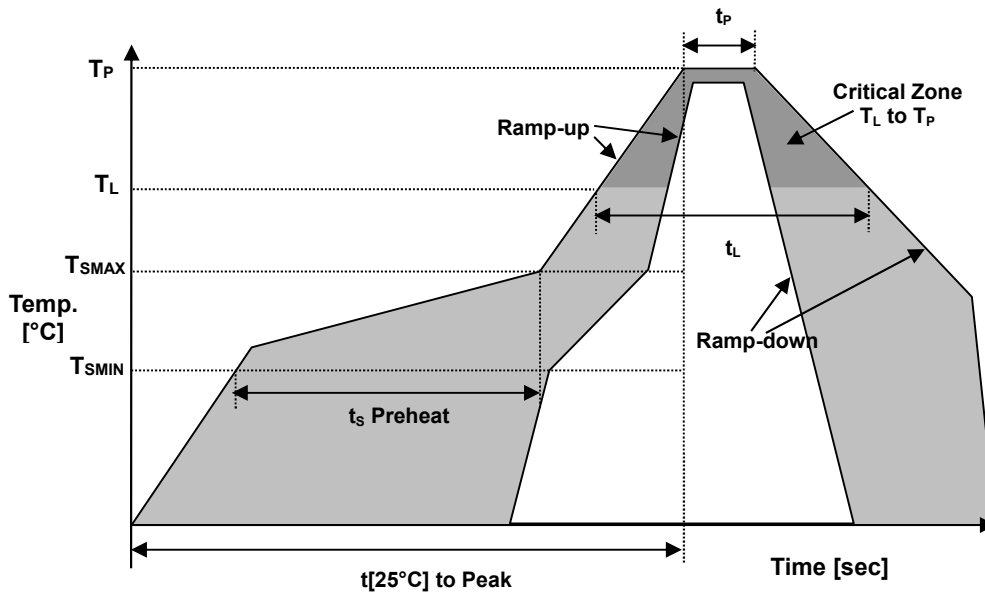
### Dimension



**Frequency Characteristics**



● **REFLOW PROFILE**



Reflow profile		
Temperature Min Preheat	T <sub>SMIN</sub>	150°C
Temperature Max Preheat	T <sub>SMAX</sub>	200°C
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	t <sub>S</sub>	60-180 sec.
Temperature	T <sub>L</sub>	217°C
Peak Temperature	T <sub>P</sub>	260°C
Ramp-up rate	R <sub>UP</sub>	3°C/sec max.
Ramp-down rate	R <sub>DOWN</sub>	6°C/sec max.
Time within 5°C of Peak Temperature	t <sub>P</sub>	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t <sub>L</sub>	60-150 sec.

## Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
REACH – SVHC	Compliant
RoHS 2	6/6

April 2016