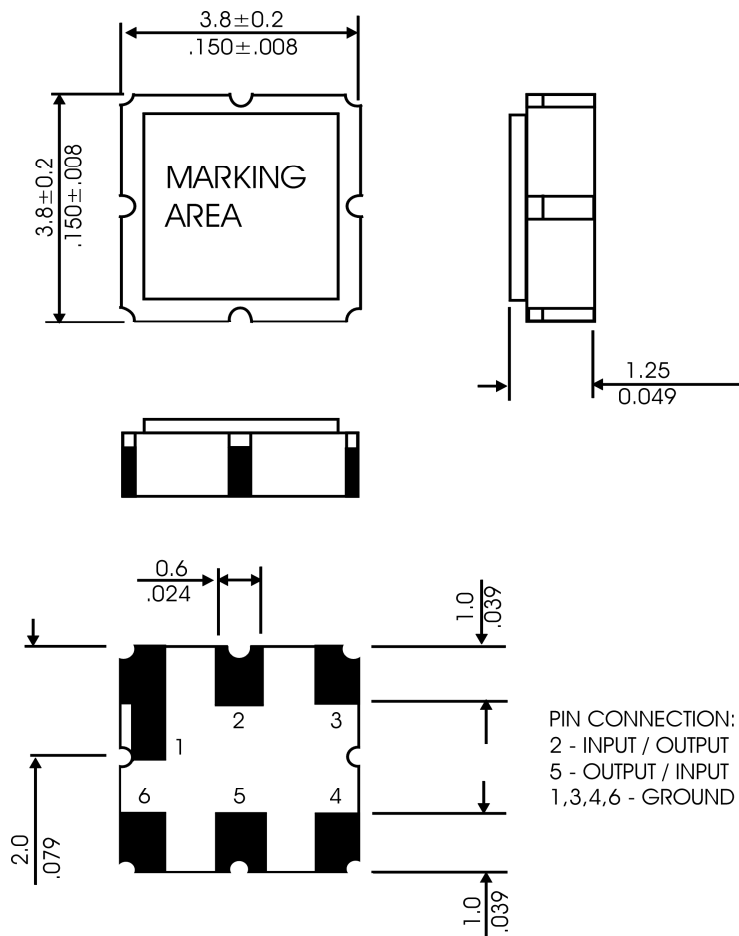
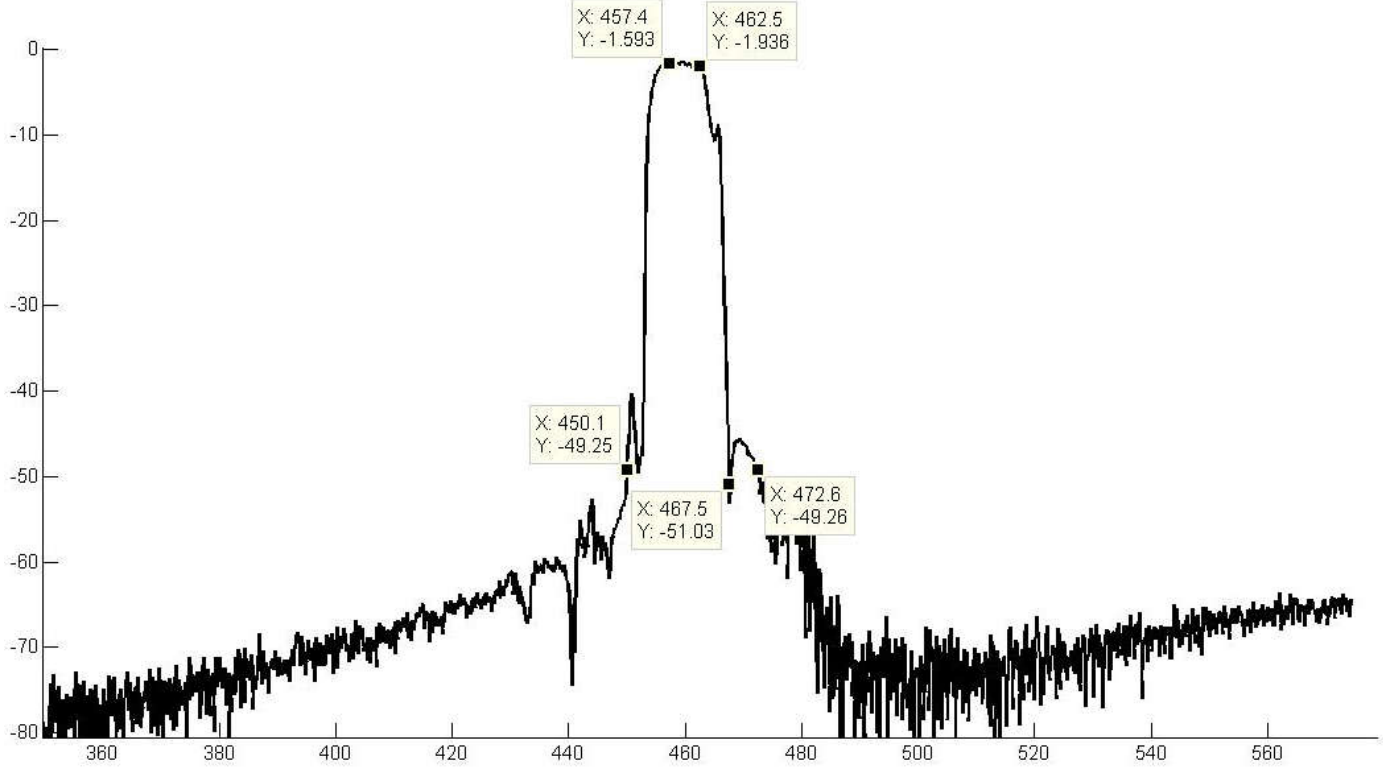


Items	Specification	Unit
Center frequency (Fo)	460.000	MHz
Bandwidth	5000	kHz
Insertion Loss in BW, typ/max	2.0 / 2.6	dB
Amplitude Ripple in BW, typ/max	0.5 / 1.0	dB
VSWR in BW, typ/max	1.5 / 2.0	-
Attenuation min/typ	0 MHz ~ 420 MHz	-50 / -65
	420 MHz ~ 450 MHz	-43 / -49
	467.5 MHz ~ 472.5 MHz	-37 / -45
	472.5 MHz ~ 490 MHz	-35 / -49
	490 MHz ~ 800 MHz	-37 / -60
	800 MHz ~ 2400 MHz	-20 / -55
Input Power, max	23	dBm
In/Out Impedance	50	$\Omega$
Operating Temperature Range	-40 to +85	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$

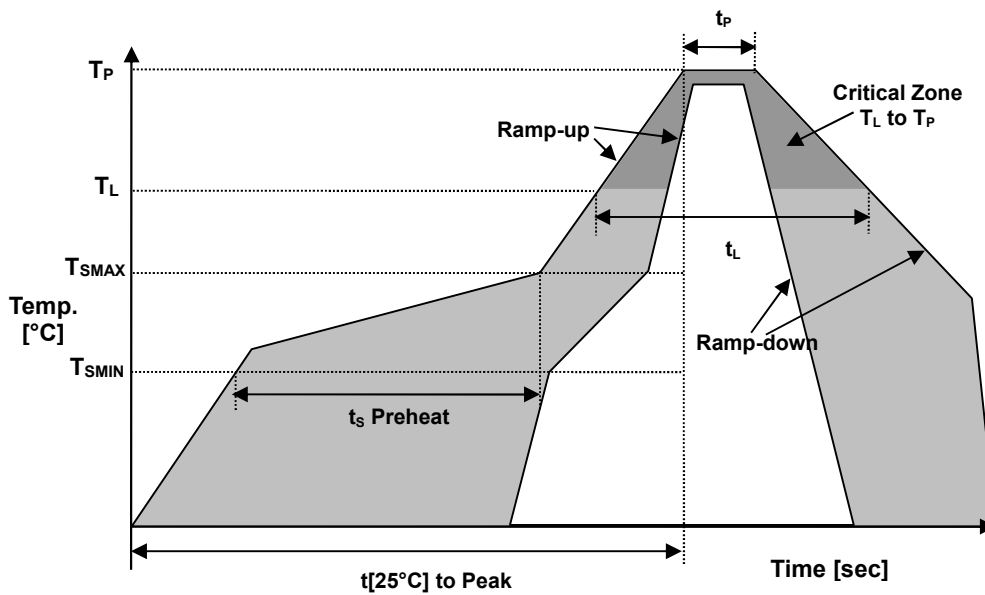
### Dimension



**Frequency Characteristics**



● **REFLOW PROFILE**



Reflow profile		
Temperature Min Preheat	$T_{SMIN}$	150°C
Temperature Max Preheat	$T_{SMAX}$	200°C
Time ( $T_{SMIN}$ to $T_{SMAX}$ )	$t_S$	60-180 sec.
Temperature	$T_L$	217°C
Peak Temperature	$T_P$	260°C
Ramp-up rate	$R_{UP}$	3°C/sec max.
Ramp-down rate	$R_{DOWN}$	6°C/sec max.
Time within 5°C of Peak Temperature	$t_P$	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	$t_L$	60-150 sec.

## Environmental

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

April 2016