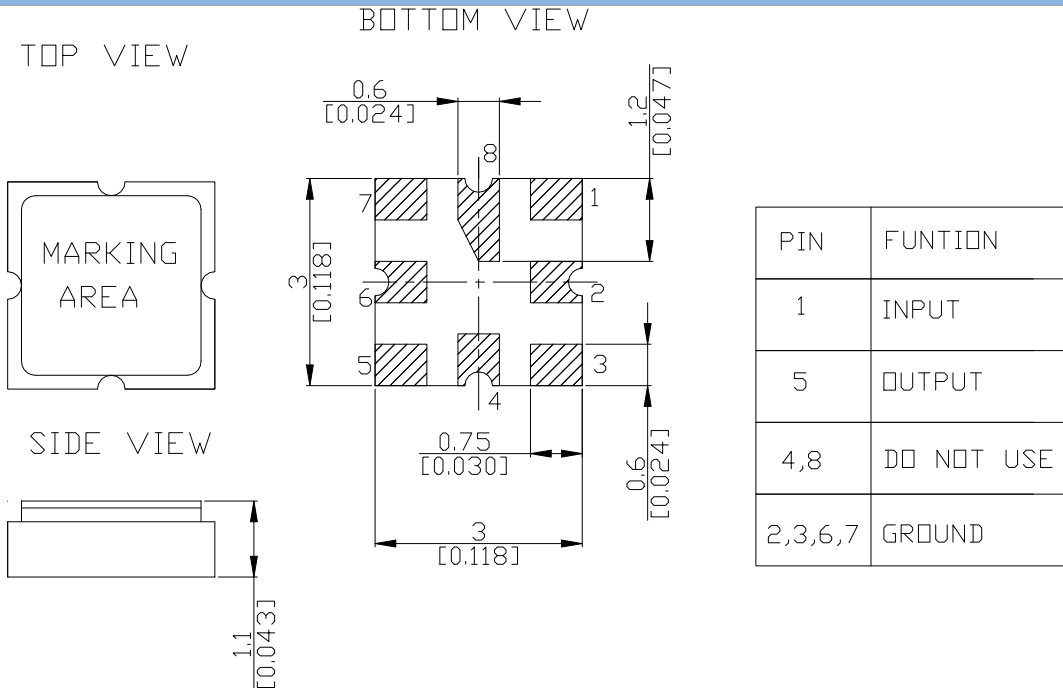


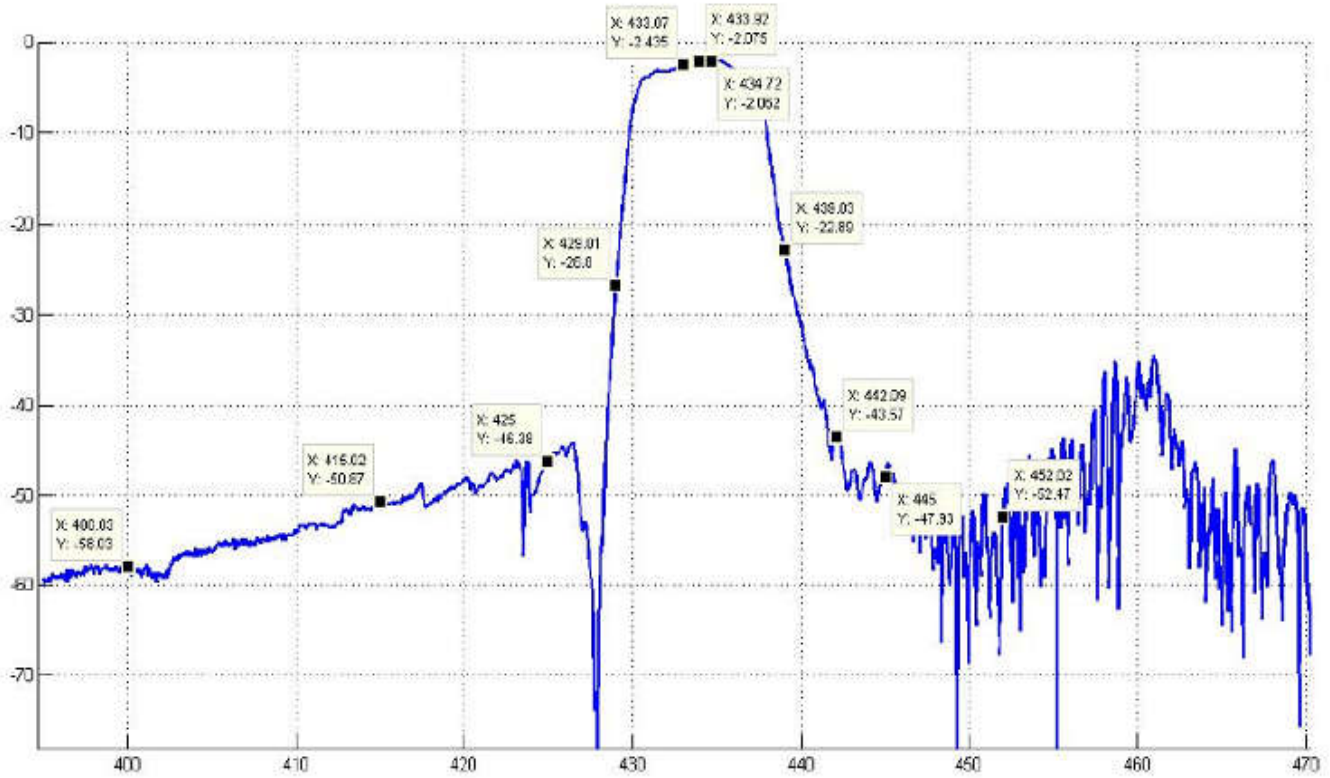
Parameters		Specification	Unit
Center frequency (fo)		433.920	MHz
Bandwidth		433.100 ~ 434.700	MHz
Insertion Loss in BW, typ / max		2.4 / 3.2	dB
Amplitude Ripple in BW, typ / max		0.4 / 1.3	dB
VSWR in BW, typ / max		1.5 / 2.0	-
Attenuation, min / typ	10 MHz ~ 400 MHz	55 / 58	dB
	400 MHz ~ 415 MHz	45 / 52	dB
	415 MHz ~ 425 MHz	42 / 46	dB
	425 MHz ~ 428 MHz	21 / 27	dB
	440 MHz ~ 442 MHz	12 / 22	dB
	442 MHz ~ 445 MHz	28 / 43	dB
	445 MHz ~ 452 MHz	40 / 48	dB
	452 MHz ~ 750 MHz	30 / 35	dB
In/Out Impedance		50	$\Omega$
Input Power, max		10	dBm
Operating Temperature Range		-40 to +85	$^{\circ}\text{C}$
Storage Temperature Range		-40 to +85	$^{\circ}\text{C}$

### Dimension

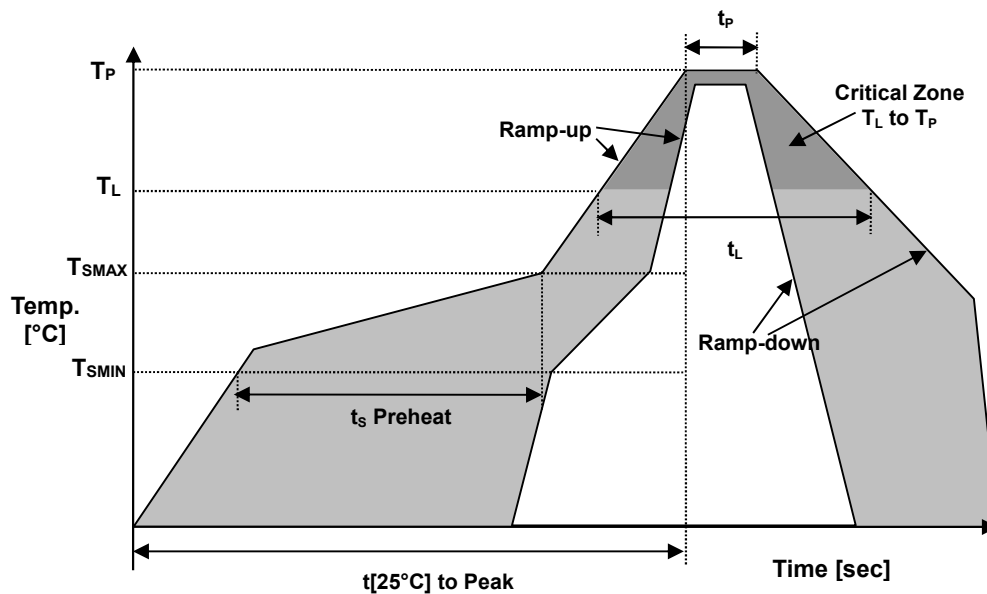


UNIT : mm TOLERANCES :  $\pm 0.15\text{mm}$   
[inches]  $[\pm 0.006"]$

### 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