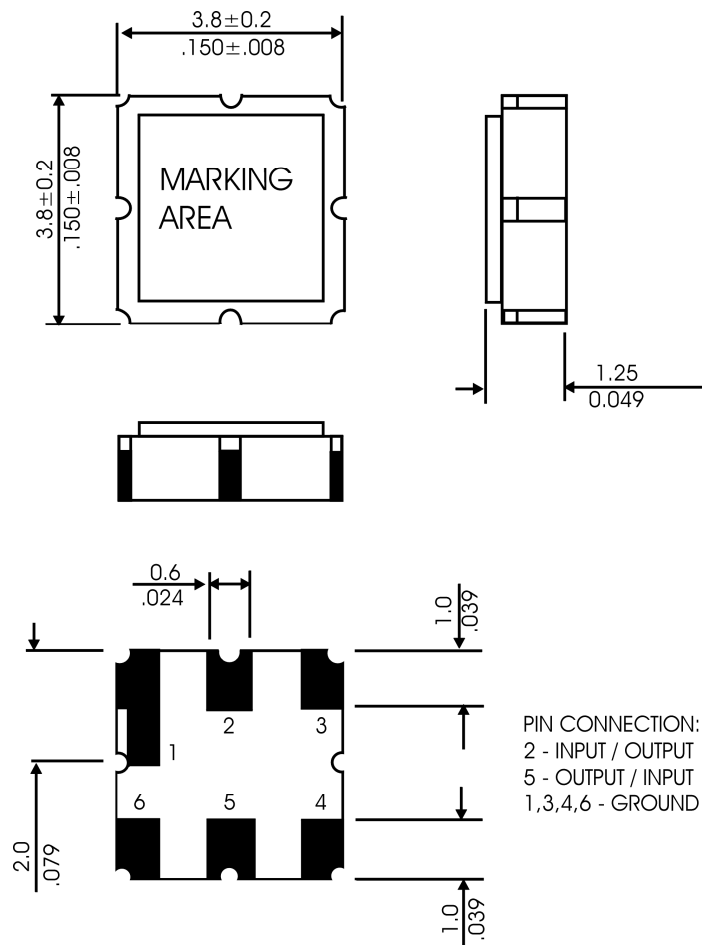
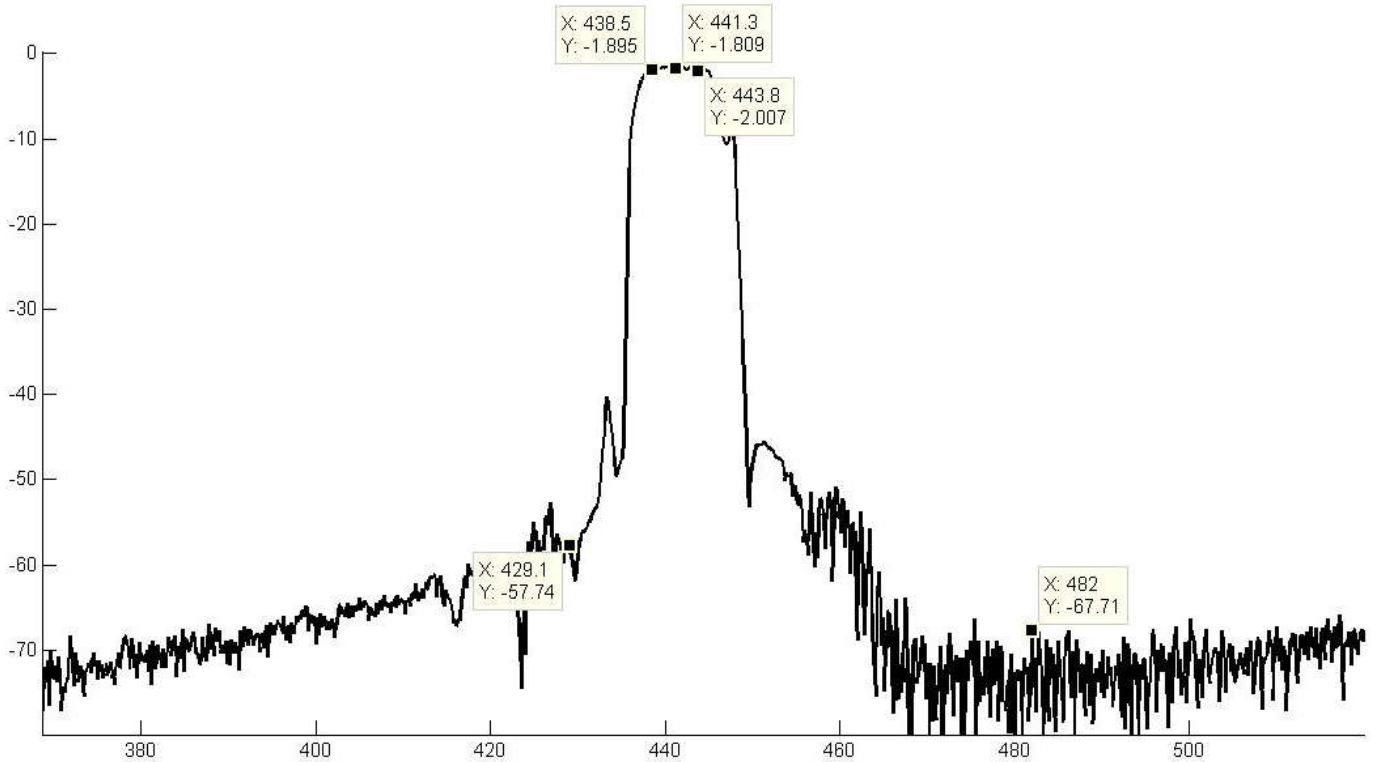


Items		Specification	Unit
Center frequency (Fo)		441.265	MHz
Insertion Loss (438.765 ~ 443.765), typ/max		2.0 / 3.0	dB
Amplitude Ripple (438.765 ~ 443.765), typ/max		0.5 / 1.5	dB
VSWR (438.765 ~ 443.765), typ/max		1.5 / 2.0	-
Attenuation min/typ	DC ~ 385 MHz	-45 / -70	dB
	385 MHz ~ 394 MHz	-45 / -65	dB
	394 MHz ~ 429 MHz	-40 / -52	dB
	482 MHz ~ 500 MHz	-45 / -60	dB
	500 MHz ~ 550 MHz	-45 / -60	dB
In/Out Impedance		50	Ω
Input Power, max		15	dBm
Operation Temperature		-40 to +85	$^{\circ}\text{C}$
Storage Temperature		-40 to +85	$^{\circ}\text{C}$

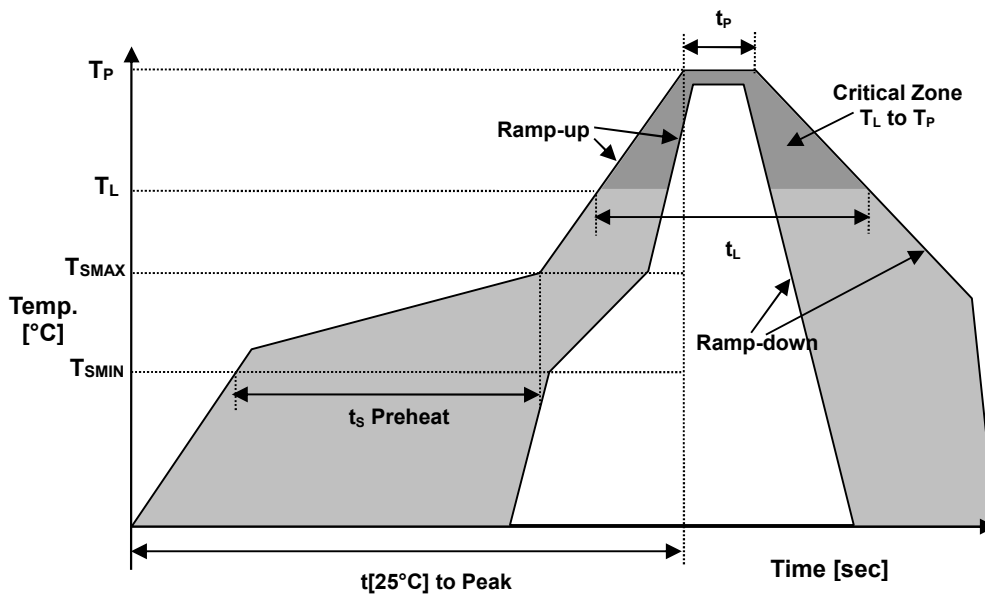
Dimension



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