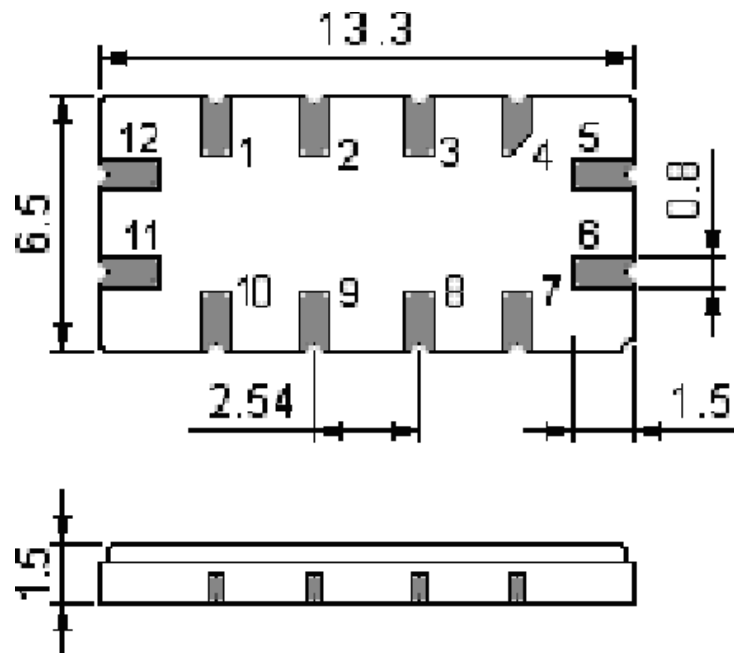


Items	Specification	Unit
Center frequency( $F_0$ )	470.750	MHz
Bandwidth	$F_0 \pm 0.75$	MHz
Insertion Loss at $F_0$ , typ/max	12 / 14	dB
-1 dB Bandwidth, min / typ	1.5 / 1.8	MHz
-40 dB Bandwidth, typ / max	5.2 / 5.5	MHz
Amplitude Ripple Variation at $F_0 \pm 0.75$ MHz	3.0	dB
Attenuation	$F_0 + 2.75$ MHz, min/typ	40 / 43
	$F_0 \pm 10$ MHz, min/typ	43 / 48
Temperature Coefficient, typ	-0.03	ppm/°C
Maximum Input Power	27	dBm
Operation Temperature	-30°C to +80°C	
Storage Temperature	-40°C to +85°C	

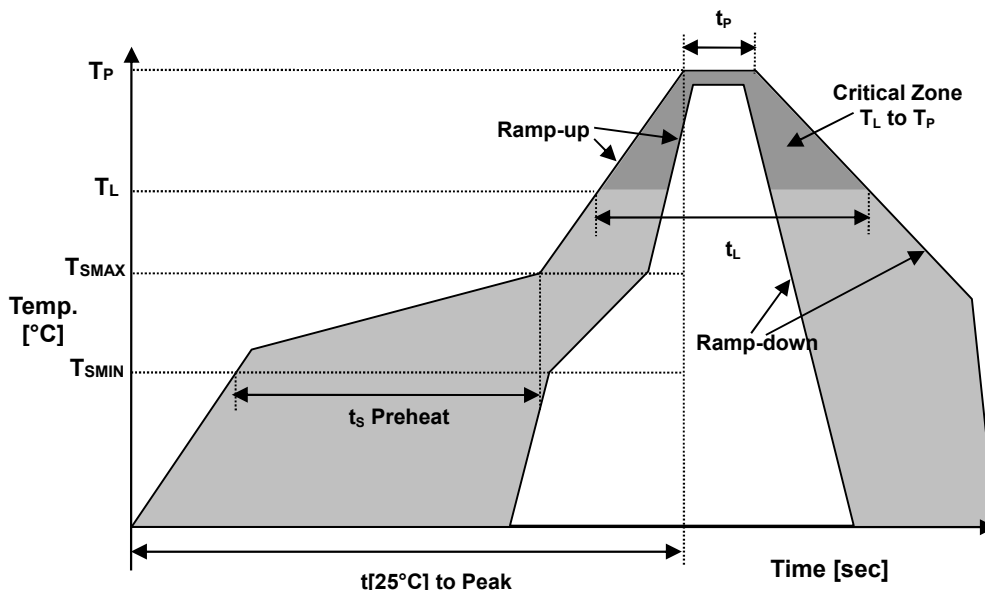
**Dimension**



Unit of measure: mm

Pin	Configuration
5	Output
6	Output-Ground
11	Input
12	Input -Ground
Others	Be grounded

● **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 $t[25^\circ\text{C}]$ to Peak Temperature	$t[25^\circ\text{C}]$ 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