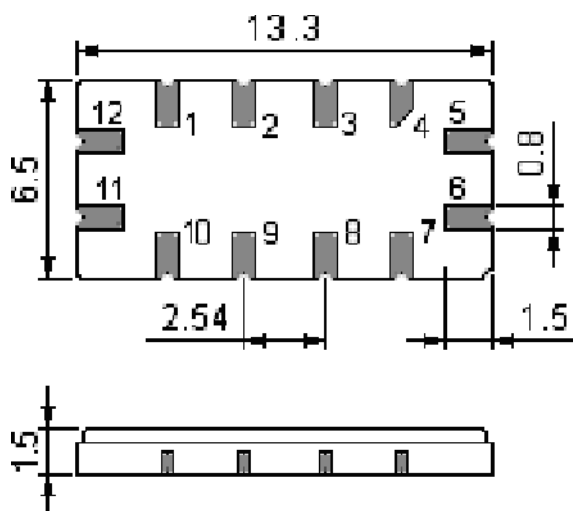


Items	Specification	Unit
Center frequency(Fo)	140.000	MHz
Bandwidth	20400	KHz
Insertion Loss in BW	11.0	dB max
1 dB Bandwidth, typical	20.4	MHz
3 dB Bandwidth, typical	21.6	MHz
35 dB Bandwidth, typical	24.4	MHz
Pass band Ripple	0.8	dB max
Attenuation	10.0 ~ 90.0 MHz	35
	90.0 ~ 120.0 MHz	40
	120.0 ~ 126.8 MHz	35
	153.2 ~ 160.0 MHz	35
	160.0 ~ 190.0 MHz	40
	190.0 ~ 800 MHz	35
In/Out Impedance	50 Ω	
Input VSWR Maximum	2.5	
Output VSWR Maximum	2.3	
Input power Maximum	20 dBm	
DC Voltage Maximum	0 VDC	
Operation Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +85°C	

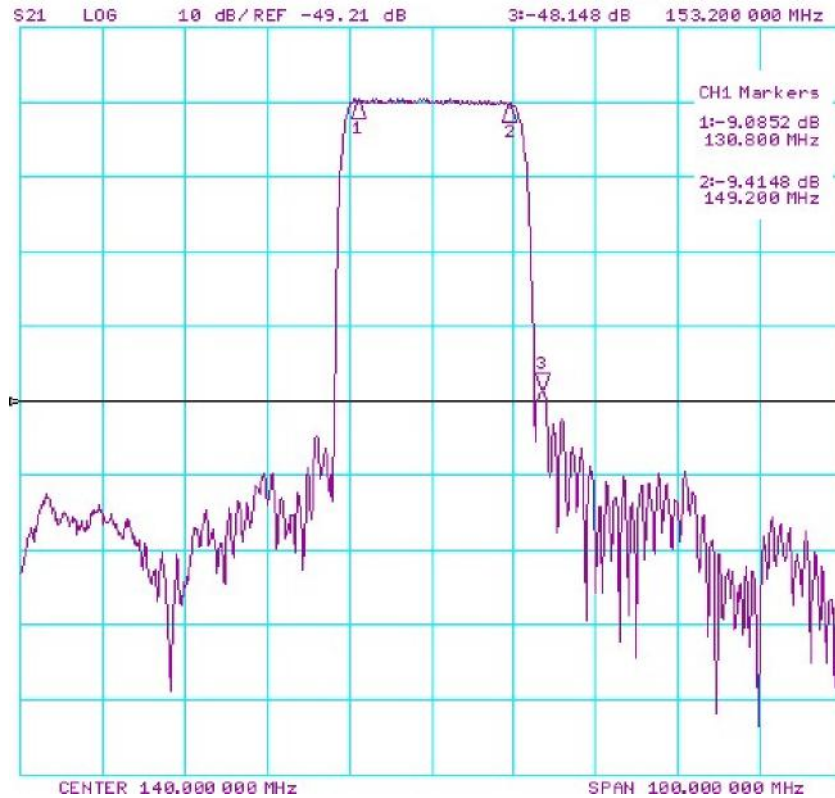
Dimension



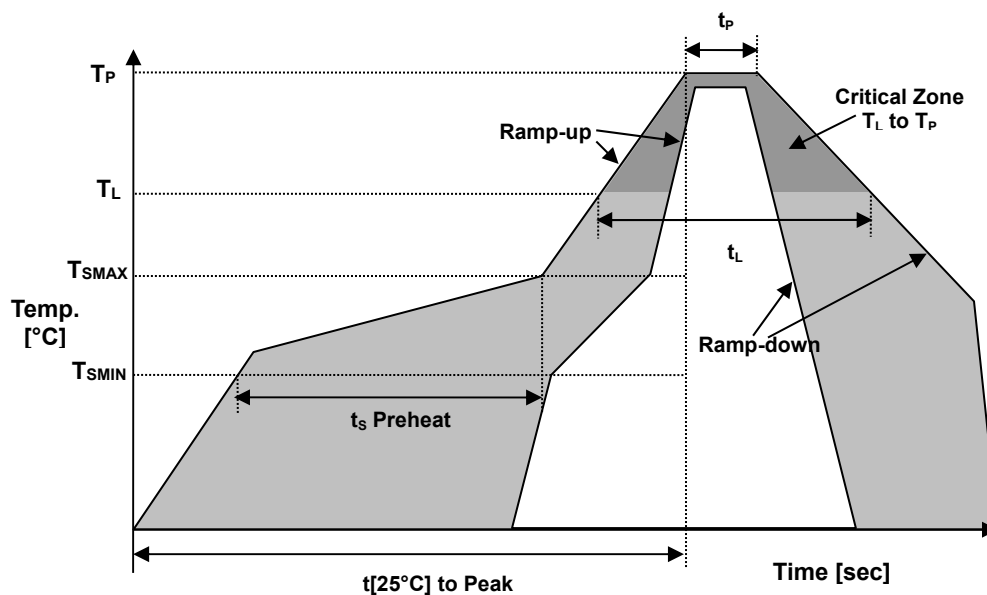
Unit of measure: mm

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

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 $t[25^\circ\text{C}]$ 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