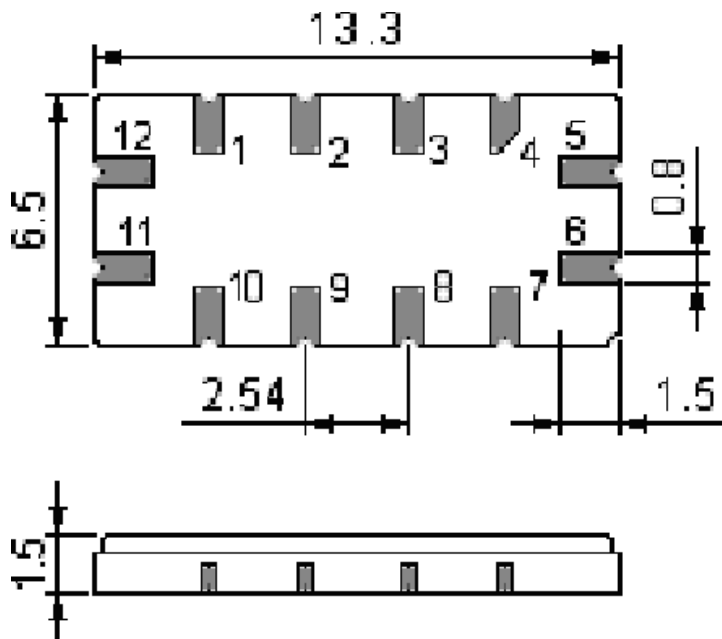


RSF-451.500-3000-13365-TR

Items	Specification	Unit
Center frequency(F_0)	451.500	MHz
Bandwidth	$F_0 \pm 1.5$	MHz
Insertion Loss at F_0 , typ/max	15 / 17	dB
-1 dB Bandwidth, min / typ	3.0 / 3.4	MHz
-40 dB Bandwidth, typ / max	6.7 / 7.0	MHz
Amplitude Ripple Variation at $F_0 \pm 1.5$ MHz	3.0	dB
Attenuation	$F_0 + 3.5$ MHz, min/typ	40 / 43
	$F_0 \pm 10$ MHz, min/typ	43 / 48
Temperature Coefficient, typ	-0.03	ppm/ $^{\circ}$ C
Maximum Input Power	27	dBm
Operation Temperature	-30 $^{\circ}$ C to +80 $^{\circ}$ C	
Storage Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C	

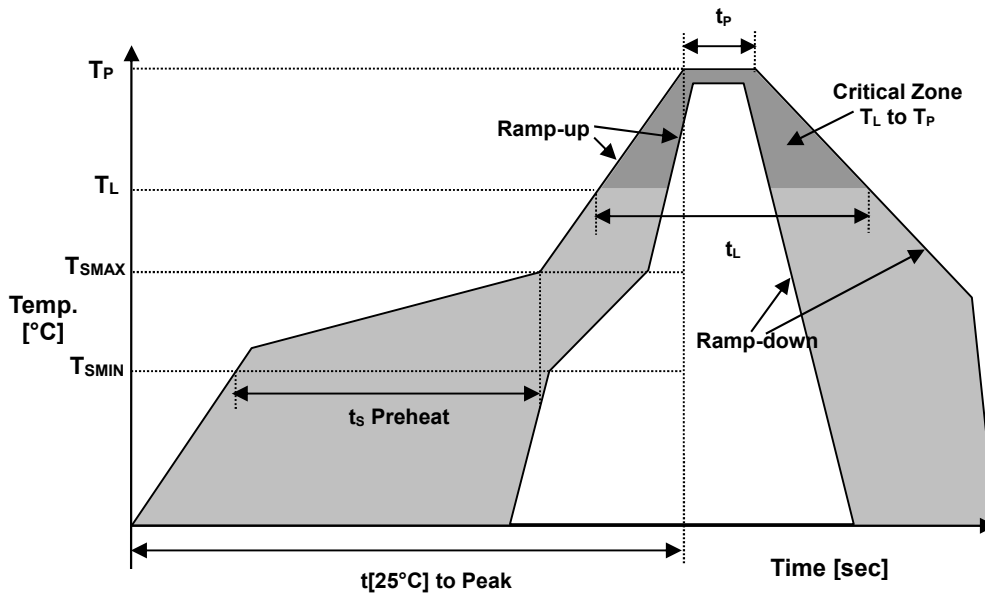
Dimension



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

Unit of measure: mm

● 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