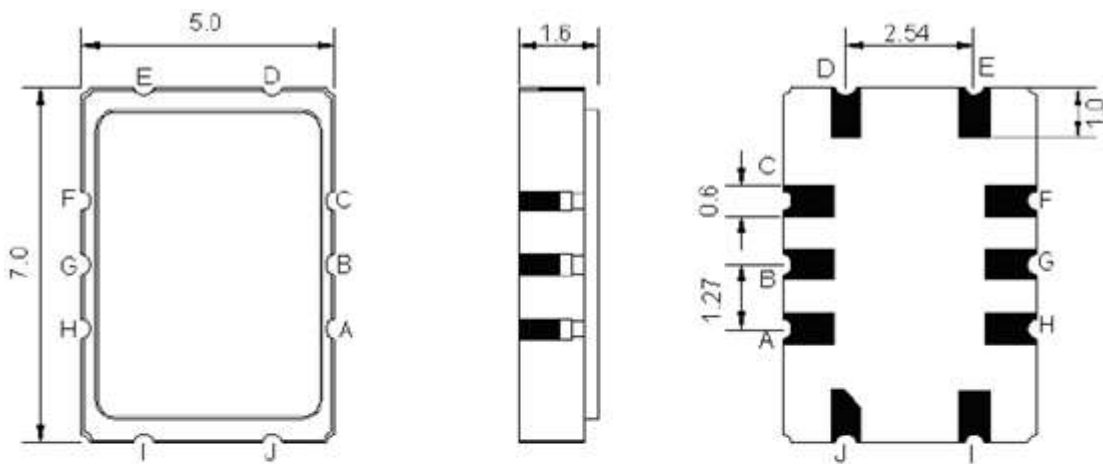


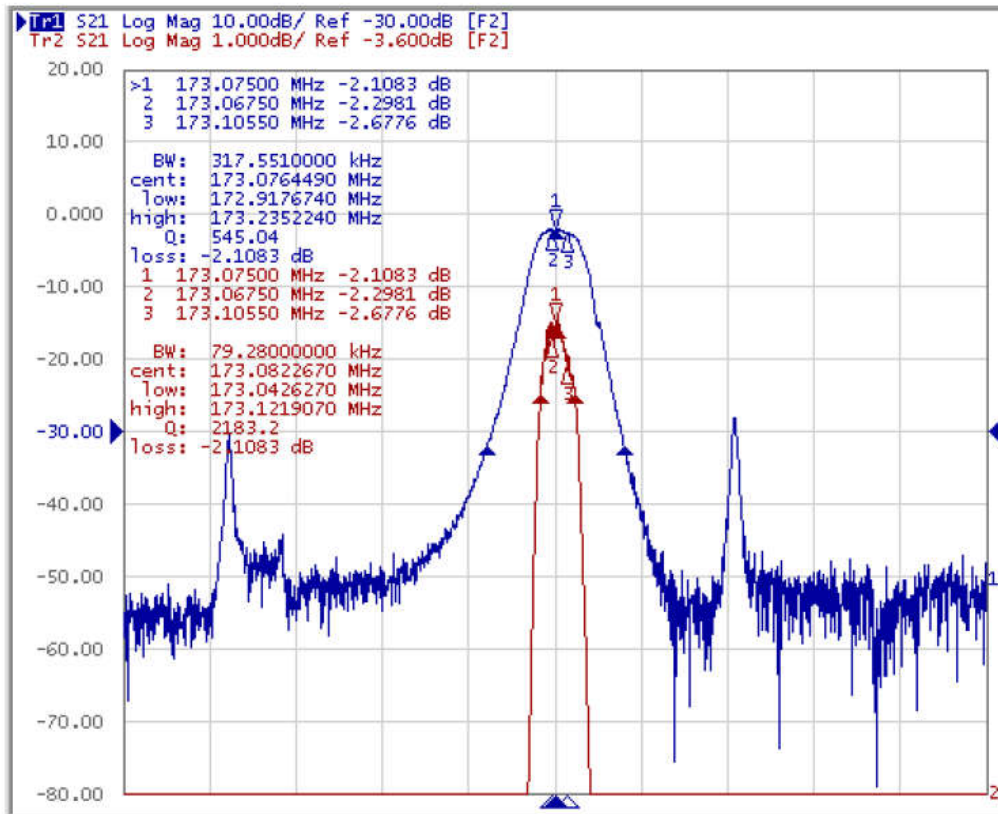
Items	Specification	Unit
Center frequency( $F_0$ )	173.075	MHz
Bandwidth @-3dB, typ	132	kHz
Bandwidth @-10dB, typ/max	188 / 200	kHz
Insertion Loss (within $F_0-7.5\sim F_0+30.9$ kHz) typ / max	2.6 / 3.6	dB
Ripple in Pass Band (within $F_0-7.5\sim F_0+30.9$ kHz) typ/max	0.6 / 1.0	dB
	163.075 ~ 172.155 MHz, min/typ	-50 / -53
	173.995 ~ 183.075 MHz, min/typ	-45 / -52
Aging, max	$\pm 10$	ppm/year
Input power, max	20	dBm
DC Voltage, max	10	V
Operating Temperature	-40 to +85	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$

### Dimension

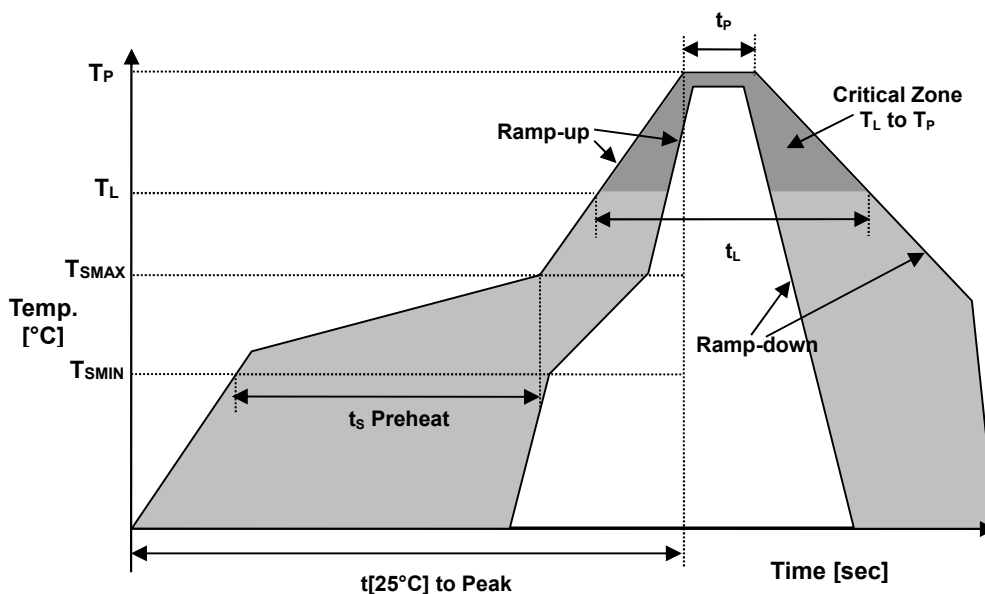


Pin Description	
A,B,C,F,G,H	Ground
I	Ground
J	Input
D	Ground
E	Output

**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
RoHS-2	6/6 COMPLIANT & LEAD FREE
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



April 2016