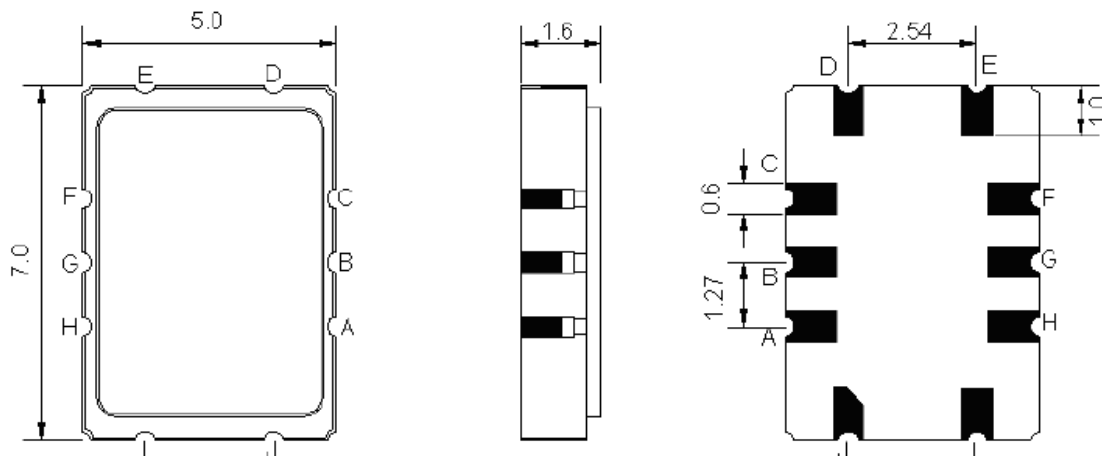


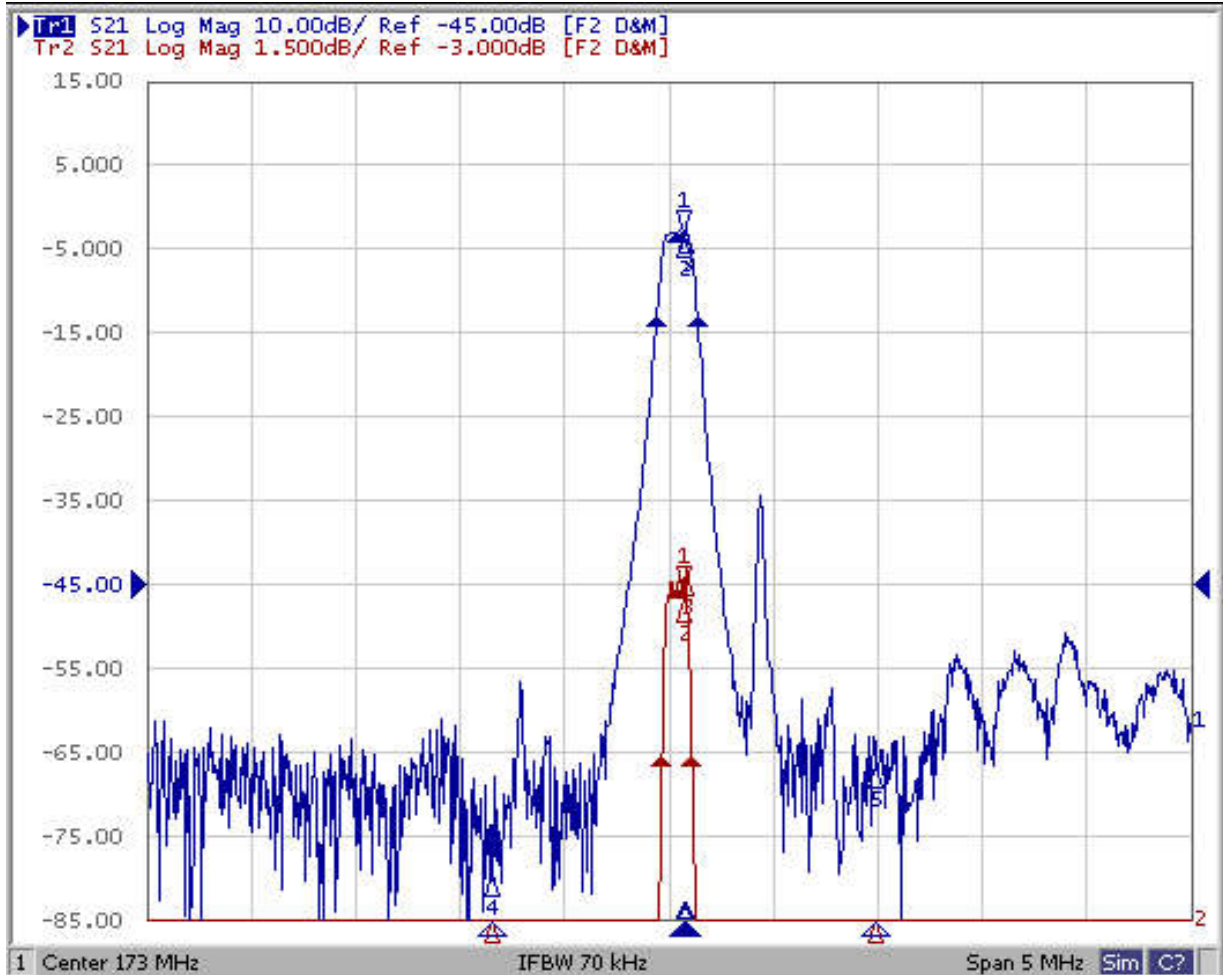
Items		Specification	Unit
Center frequency(Fo)		173.225	MHz
Bandwidth @ -3dB		135	kHz
Bandwidth @ -10dB		200	kHz
Insertion Loss (within $f_c-7.5 \sim f_c+31$ kHz)		3.6	dB max
Amplitude Ripple (within $f_c-7.5 \sim f_c+31$ kHz)		1.0	dB max
Attenuation	163.225 ~ 172.305 MHz	50	dB min
	174.145 ~ 183.225 MHz	45	dB min
Aging Maximum		$\pm 10$	ppm/year
Input power, Maximum		20 dBm	
DC Voltage, Maximum		10 V	
Operation Temperature		$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	
Storage Temperature		$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	

### Dimension

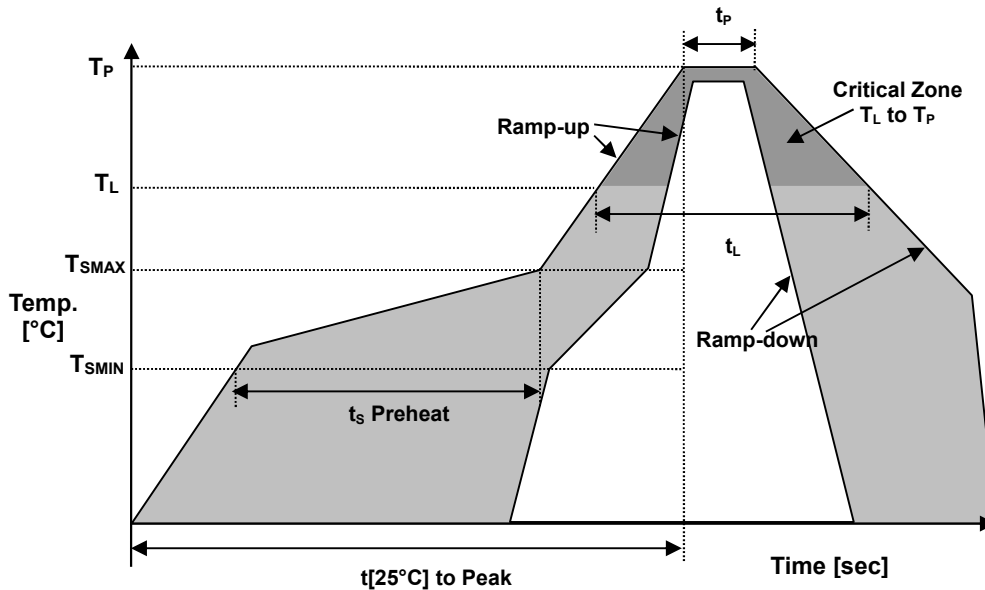


Pin Description	
A,B,C,F,G,H	Ground
I	Input
J	Ground
D	Output
E	Ground

**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	$t_{[25°C]} \text{ to Peak}$	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