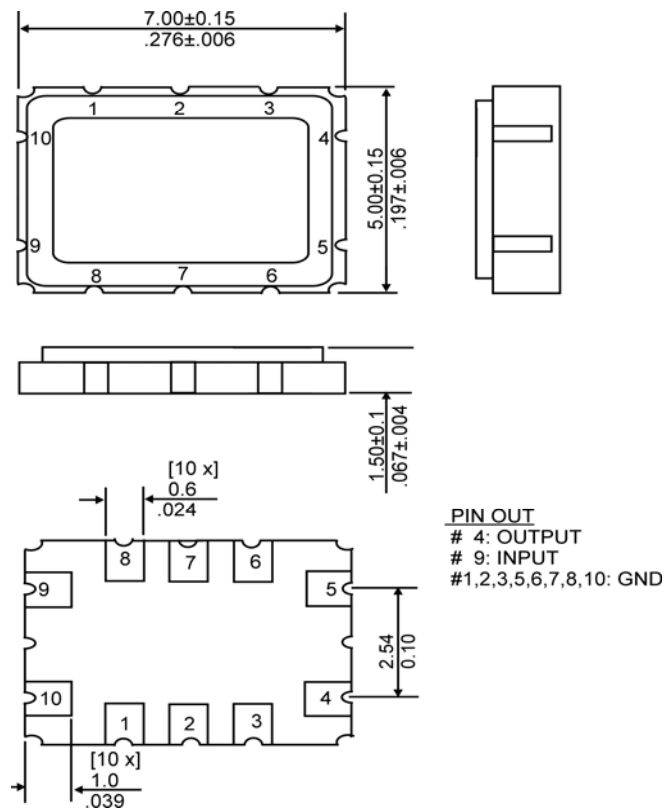


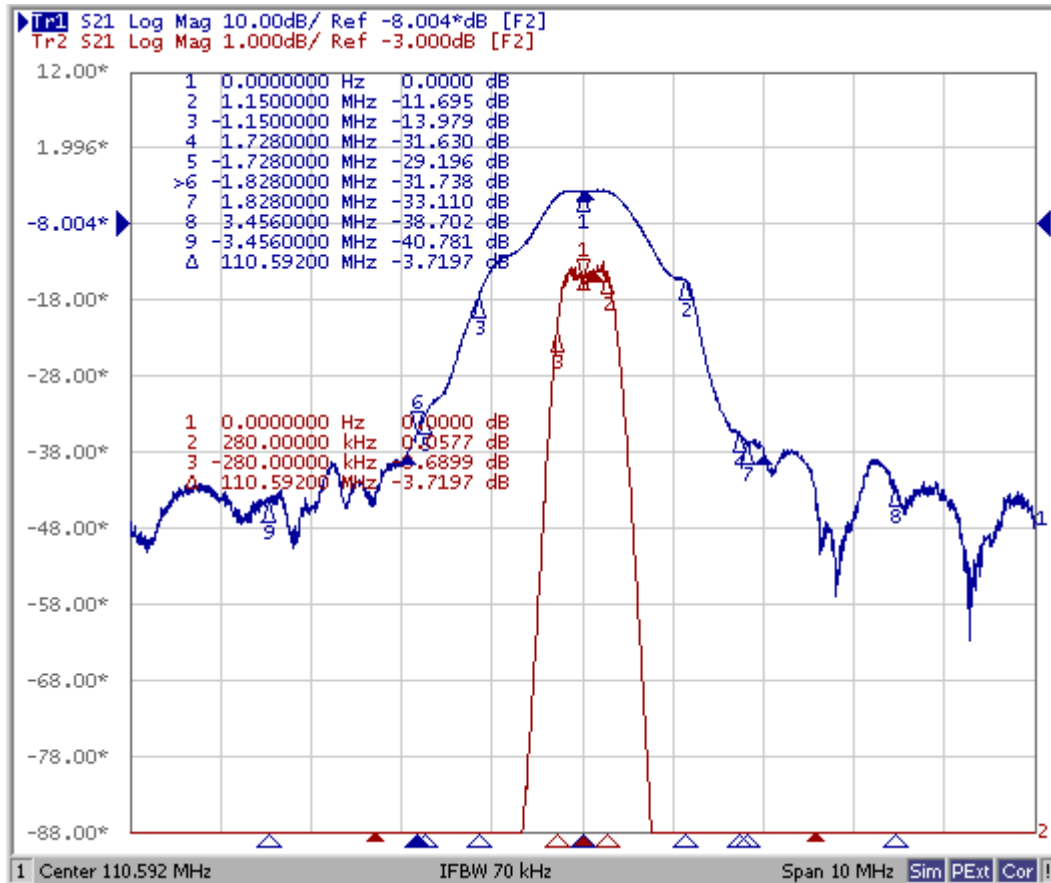
### ELECTRICAL SPECIFICATION

Items	Specification	Unit	
Center frequency (Fo)	110.592	MHz	
Bandwidth	±280	kHz	
Insertion Loss in BW (typ/max)	3.7/4.5	dB	
Passband Ripple (typ/max)	1.5/3.0	dB	
Group Delay Ripple (p-p), (typ/ max)	70/700	ns	
Relative Attenuation (min/typ)	Fo±1.15MHz ~ Fo±1.728MHz	10/12	dB
	Fo±1.728MHz ~ Fo±1.828MHz	28/30	dB
	Fo±1.828MHz ~ Fo±3.456MHz	30/32	dB
	Fo+3.456MHz ~ Fo+5.184MHz	36/38	dB
	Fo-3.456MHz ~ Fo-5.184MHz	38/40	dB
	Fo-5.184MHz	40/45	dB
	Fo+5.184MHz ~ Fo+15MHz	40/45	dB
In/Out Impedance	50 Ω		
DC Voltage	3 Vdc		
Input Power, maximum	0 dBm		
Operation Temperature	-20°C to +70°C		
Storage Temperature	-40°C to +85°C		

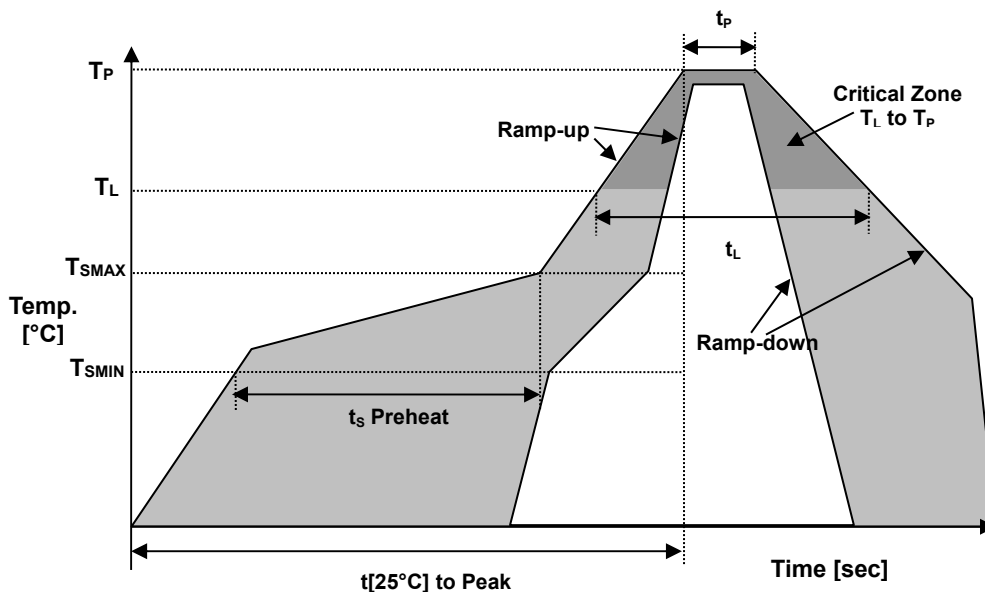
### Dimension



### FREQUENCY CHARACTERISTICS



- REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T <sub>SMIN</sub>	150°C
Temperature Max Preheat	T <sub>SMAX</sub>	200°C
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	t <sub>S</sub>	60-180 sec.
Temperature	T <sub>L</sub>	217°C
Peak Temperature	T <sub>P</sub>	260°C
Ramp-up rate	R <sub>UP</sub>	3°C/sec max.
Ramp-down rate	R <sub>DOWN</sub>	6°C/sec max.
Time within 5°C of Peak Temperature	t <sub>P</sub>	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t <sub>L</sub>	60-150 sec.

## Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
REACH – SVHC	Compliant
RoHS 2	6/6

April 2016