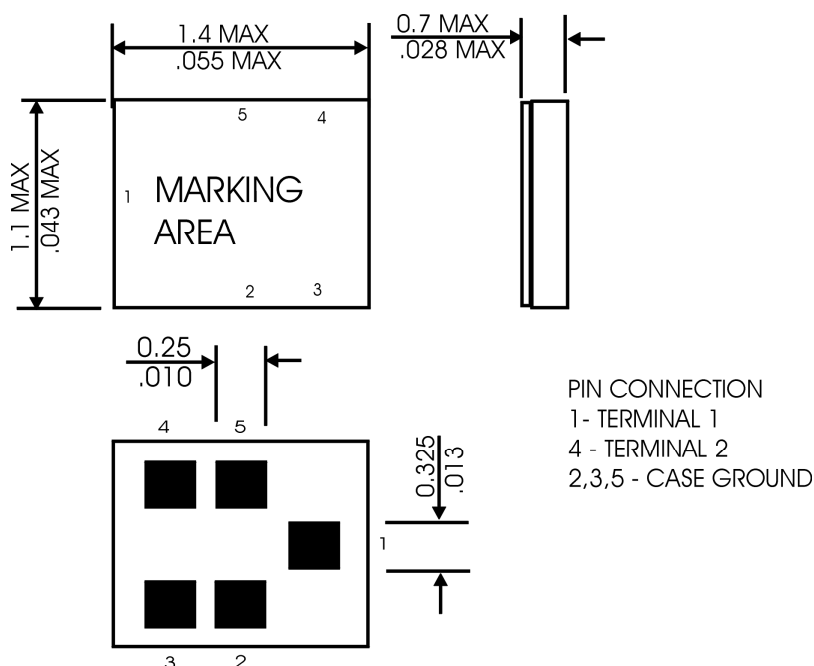
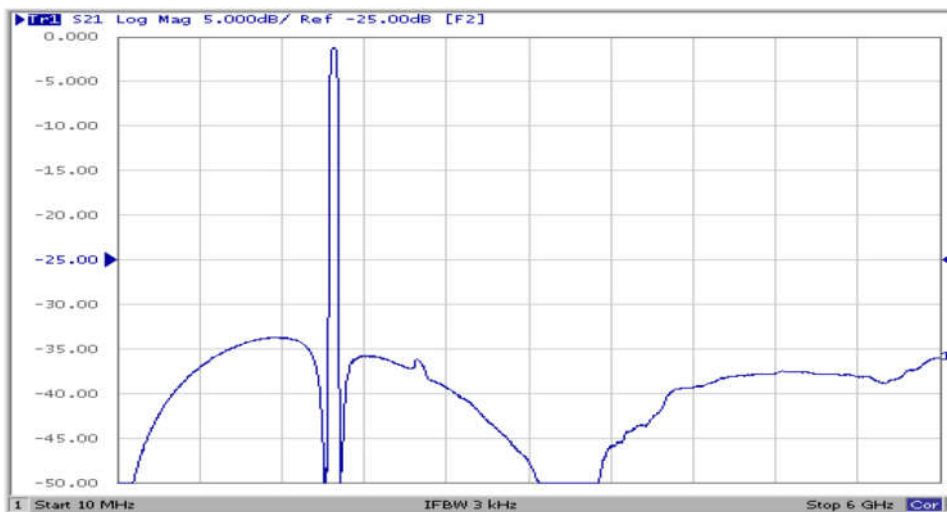
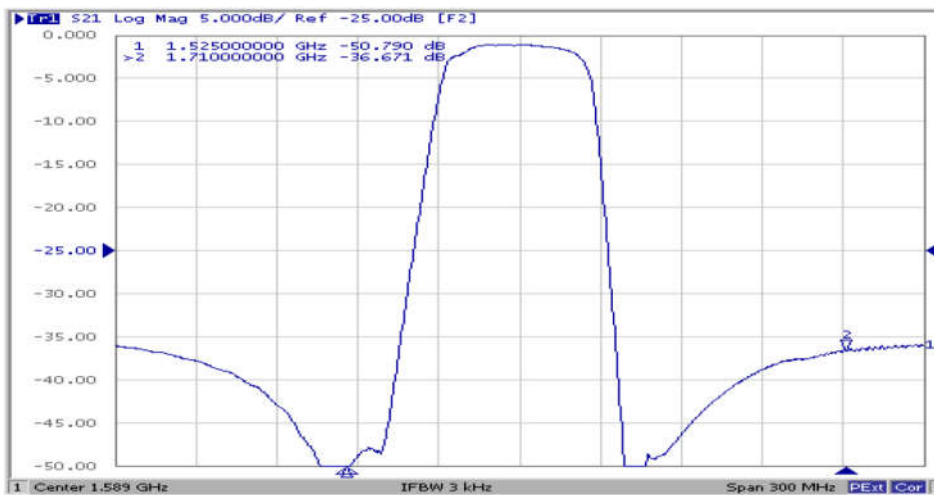
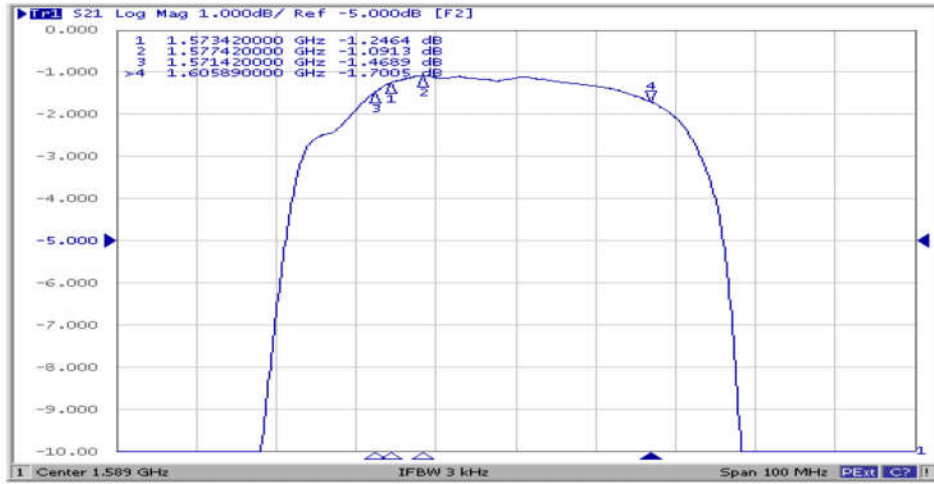


Items	Specification	Unit	
Center frequency (Fo)	1588.655	MHz	
Bandwidth	4000	KHz	
Insertion Loss in BW	1.7	dB Max	
Insertion Loss (1571.42 ~ 1605.89 MHz)	2.5	dB Max	
Amplitude Ripple in BW	0.8	dB max	
Amplitude Ripple (1571.42 ~ 1605.89 MHz)	1.5	dB max	
VSWR, Max	2	--	
Relative Attenuation	DC ~ 824 MHz	32	dB min
	824 MHz ~ 849 MHz	32	dB min
	849 MHz ~ 880 MHz	32	dB min
	880 MHz ~ 915 MHz	32	dB min
	915 MHz ~ 1452 MHz	30	dB min
	1452MHz ~ 1525 MHz	32	dB min
	1710 MHz ~ 1785 MHz	32	dB min
	1785 MHz ~ 1850 MHz	32	dB min
1850 MHz ~ 6000 MHz	25	dB min	
Temperature Coefficient of Frequency	-36 ppm/°C		
Input Power	10 dBm Max		
DC Voltage	3 V Max		
In/Out Impedance	50 Ω		
Operation Temperature	-30°C to +85°C		
Storage Temperature	-40°C to +85°C		

### Dimension

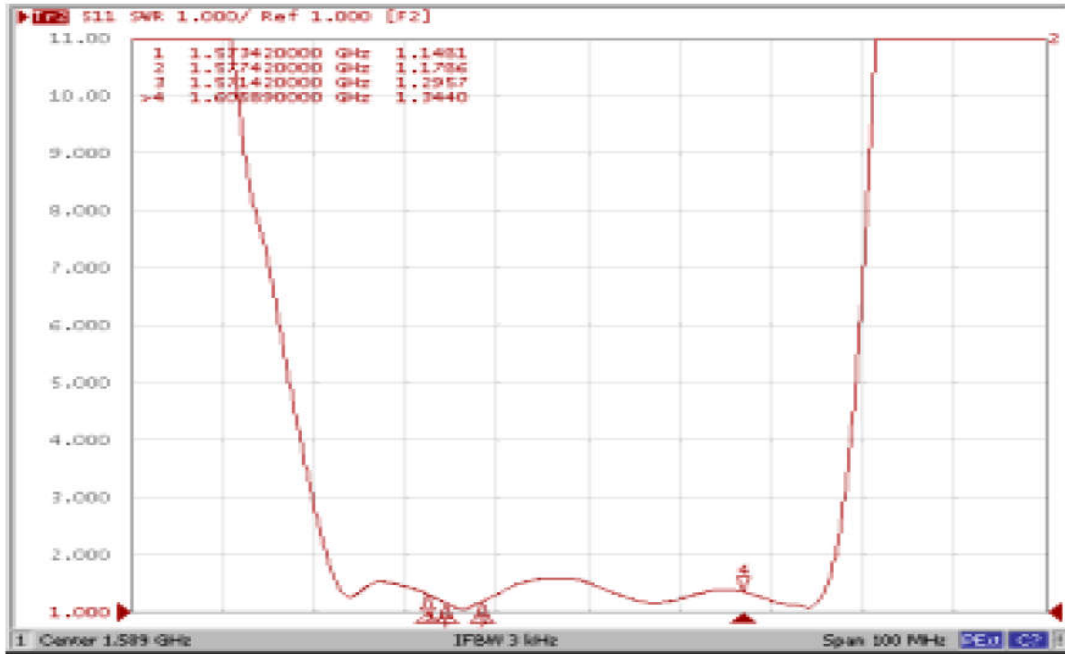


### Frequency Characteristics – Transfer Function

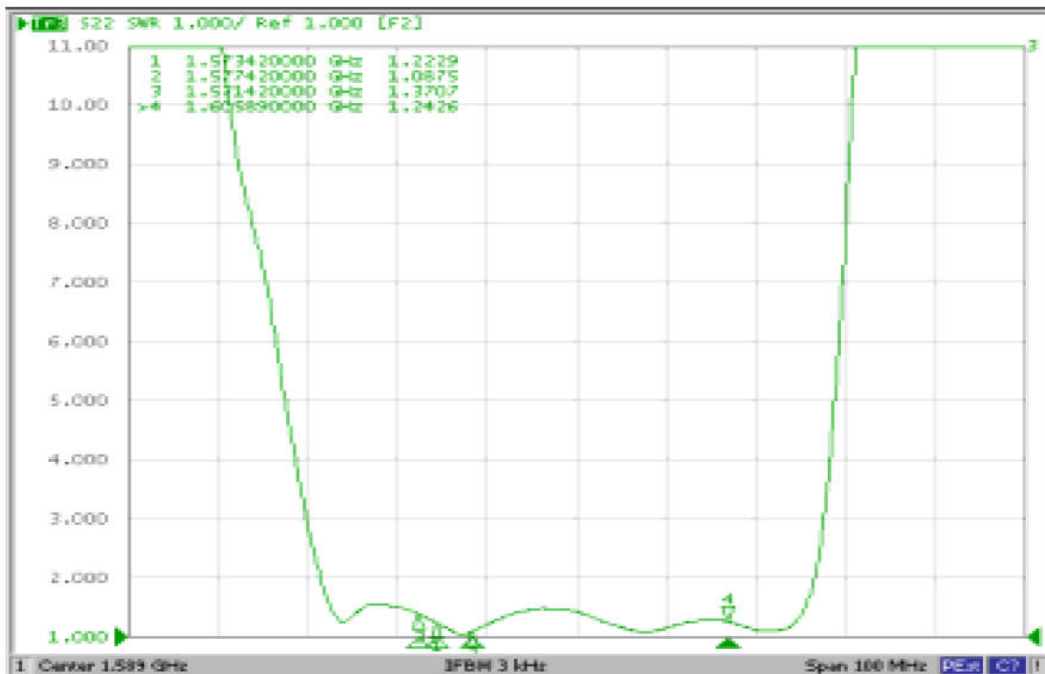


### Frequency Characteristics – Reflections Function

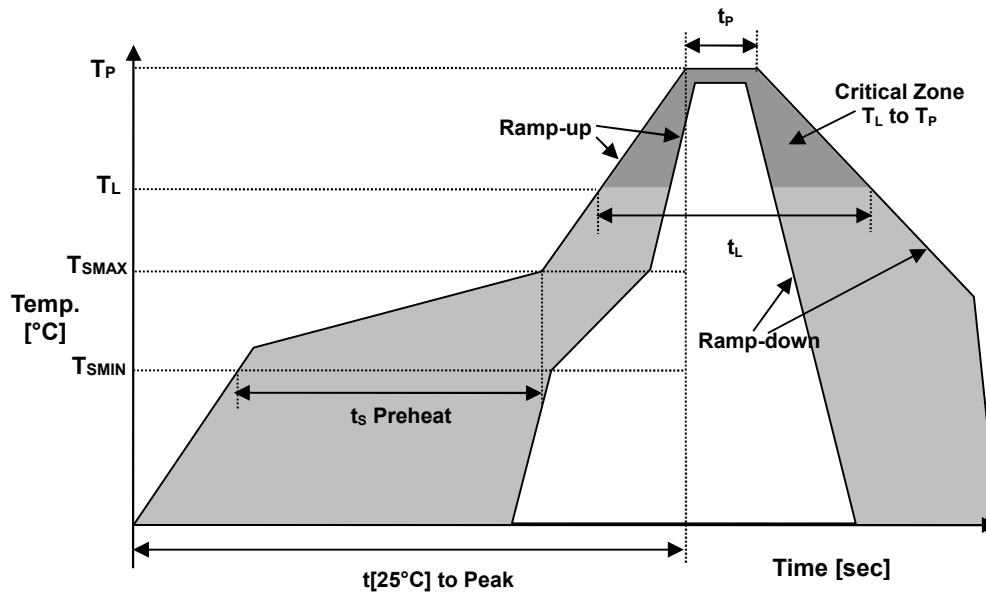
#### S11



#### S22



### 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