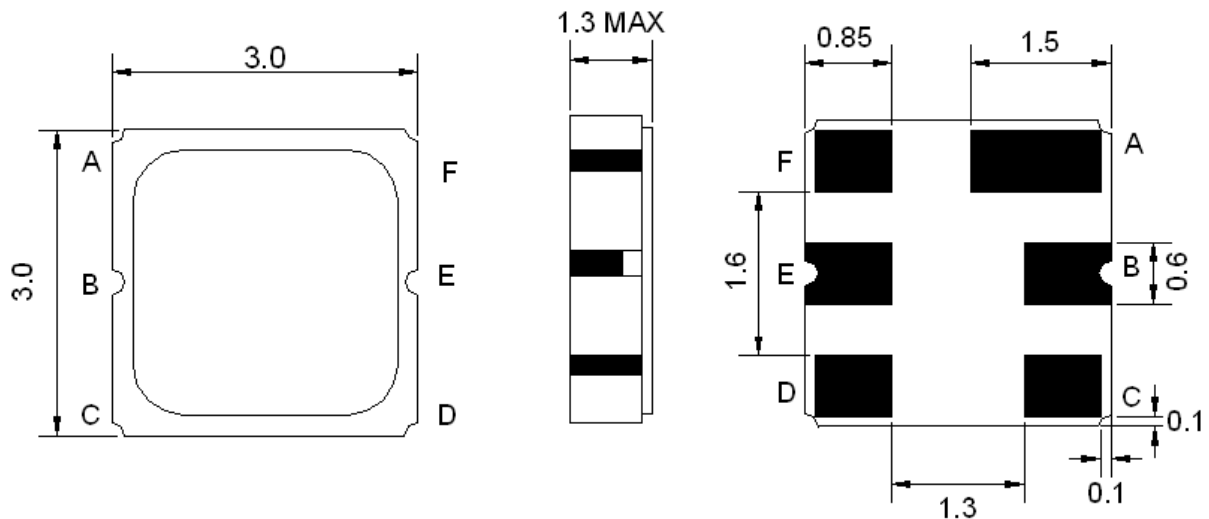


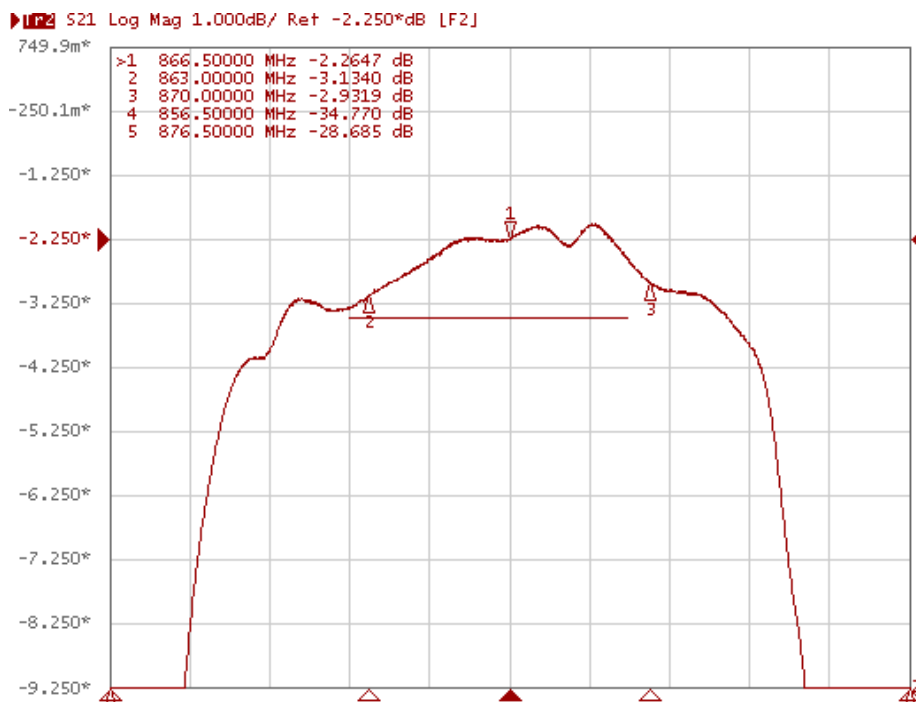
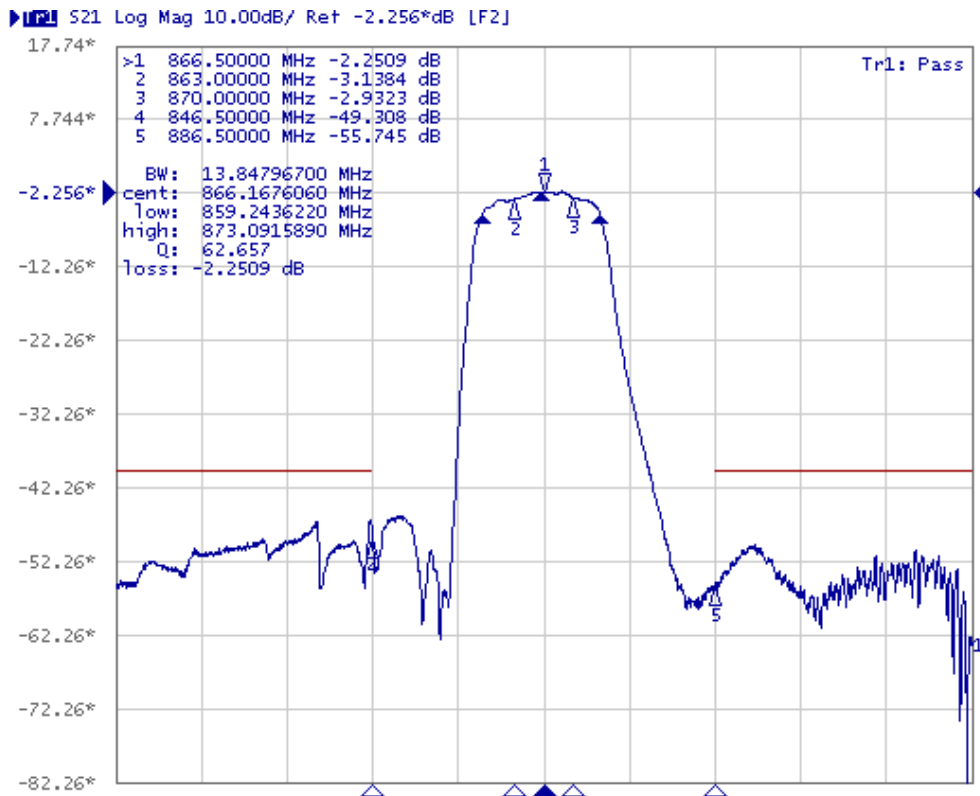
Items	Specification	Unit
Center frequency(Fo)	866.500	MHz
Bandwidth	7000	KHz
Insertion Loss in BW	3.5	dB max
Amplitude Ripple in BW	2.0	dB max
Attenuation	0.3 MHz ~ 846.5 MHz	40
	886.5 MHz ~ 906.5 MHz	40
	906.5 MHz ~ 1500 MHz	35
In/Out Impedance	50 Ω	
Input power, Maximum	10 dBm	
DC Voltage, Maximum	10 V	
Operation Temperature	-40°C to +85°C	
Storage Temperature	-45°C to +85°C	

### Dimension

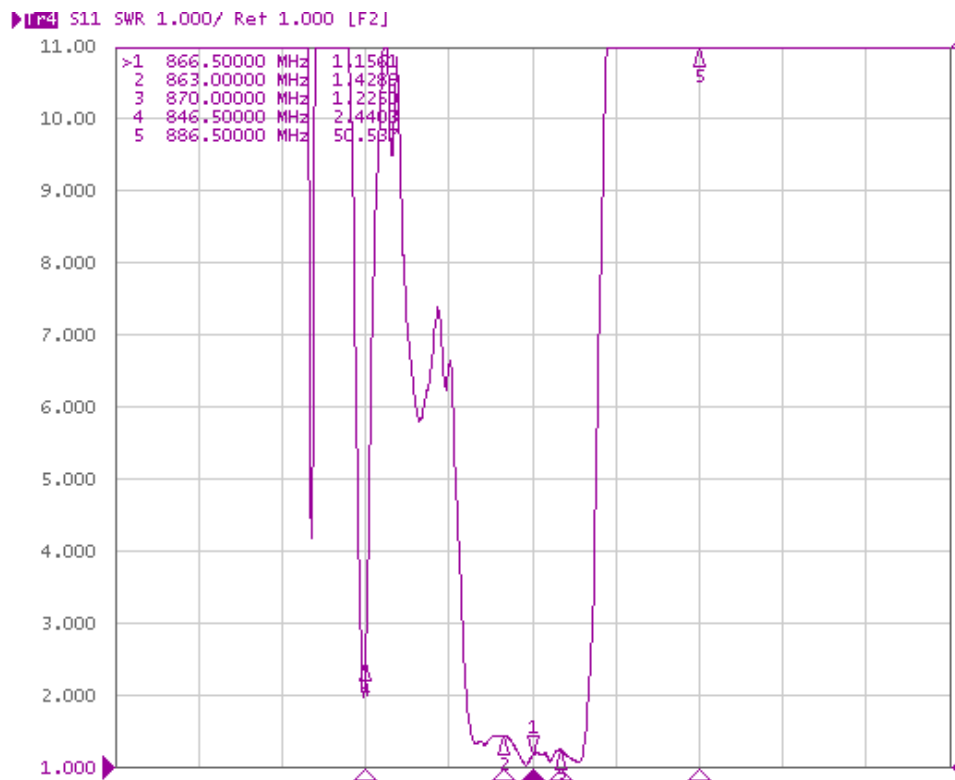
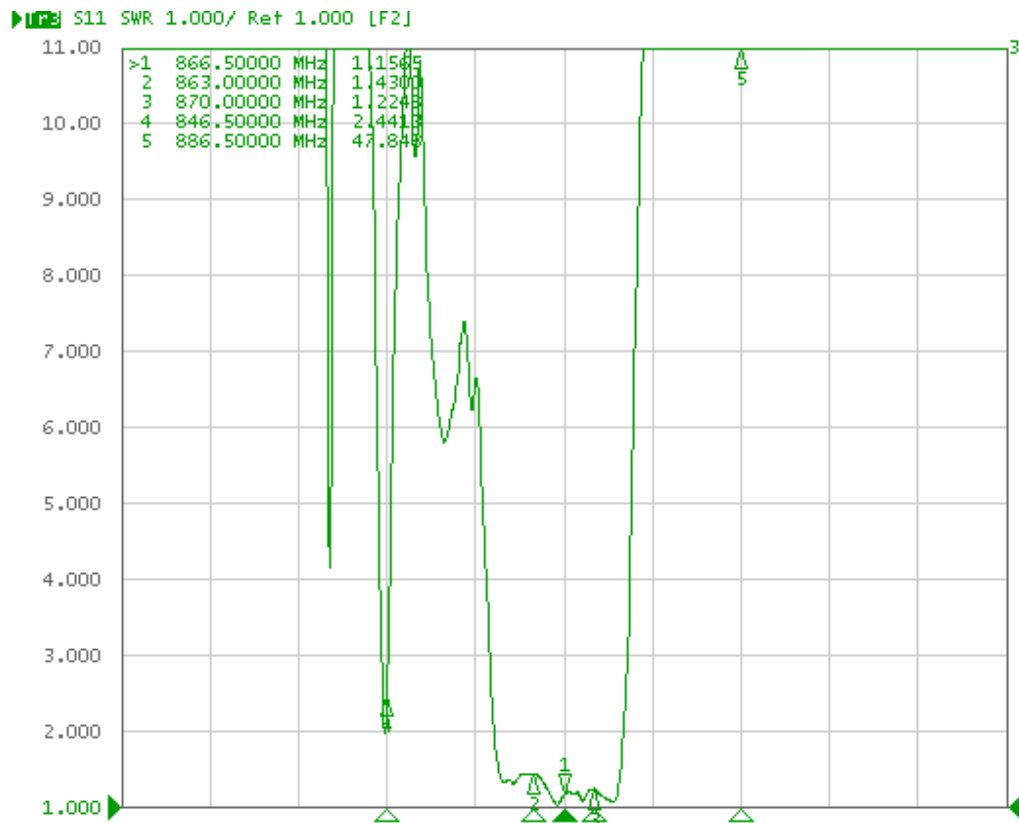


Pin Description	
A, C, D, F	Ground
E	In
B	Out

**Frequency Characteristics**



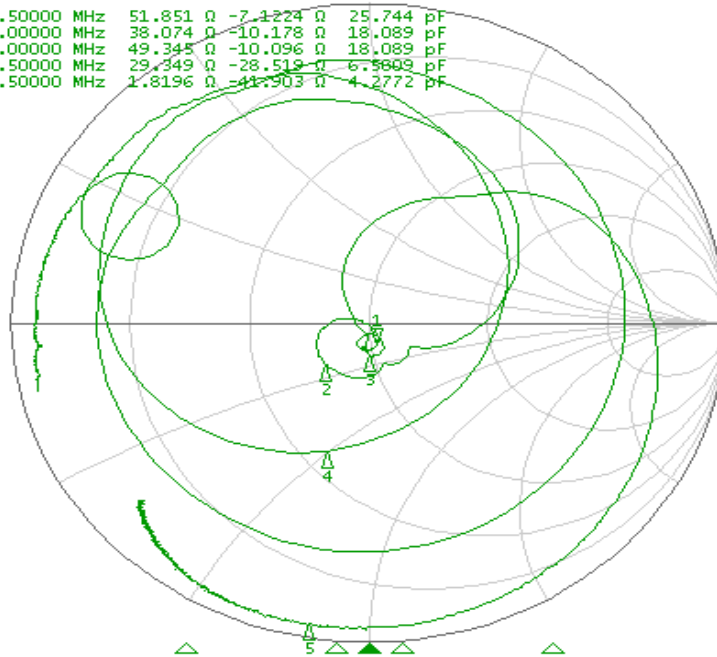
### Frequency Characteristics (Continued)



**Frequency Characteristics (Continued)**

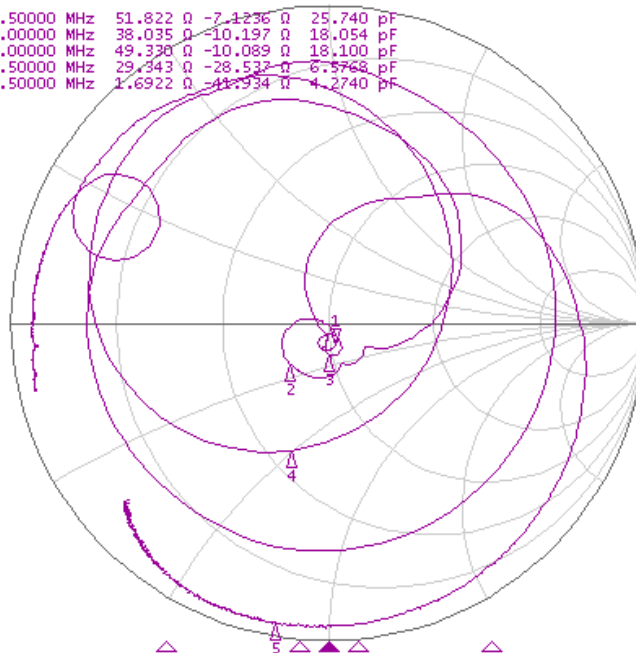
▶ **173** S11 Smith (R+jX) Scale 1.000U [F2]

>1	866.50000 MHz	51.851 Ω	-7.1224 Ω	25.744 pF
2	863.00000 MHz	38.074 Ω	-10.178 Ω	18.089 pF
3	870.00000 MHz	49.345 Ω	-10.096 Ω	18.089 pF
4	846.50000 MHz	29.349 Ω	-28.518 Ω	6.5668 pF
5	886.50000 MHz	1.8196 Ω	-41.903 Ω	4.2772 pF

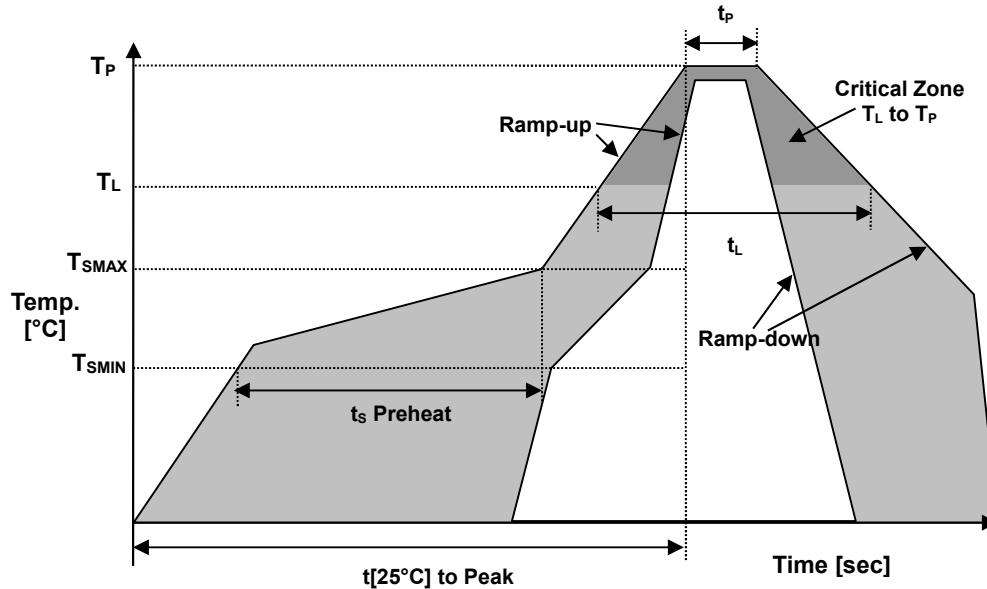


▶ **174** S11 Smith (R+jX) Scale 1.000U [F2]

>1	866.50000 MHz	51.822 Ω	-7.1236 Ω	25.740 pF
2	863.00000 MHz	38.035 Ω	-10.197 Ω	18.054 pF
3	870.00000 MHz	49.330 Ω	-10.089 Ω	18.100 pF
4	846.50000 MHz	29.343 Ω	-28.532 Ω	6.5768 pF
5	886.50000 MHz	1.6922 Ω	-41.934 Ω	4.2740 pF



● **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