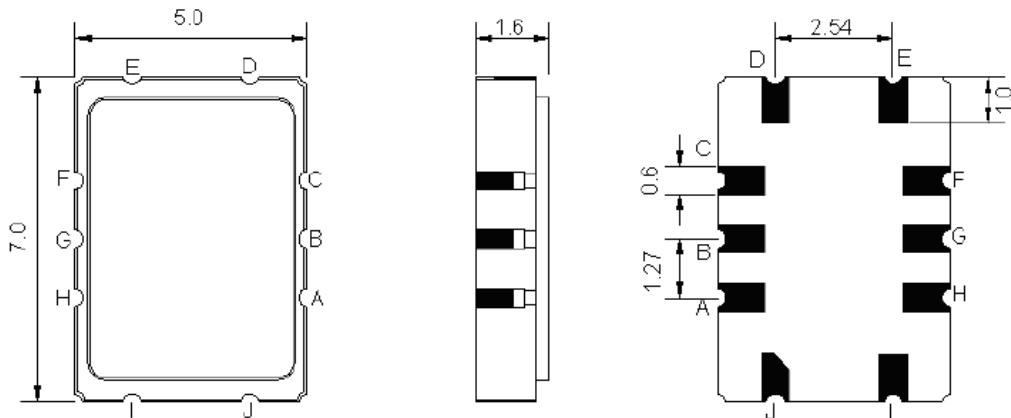


### RSF-110.592-280-7050-TR

page 1 of 3

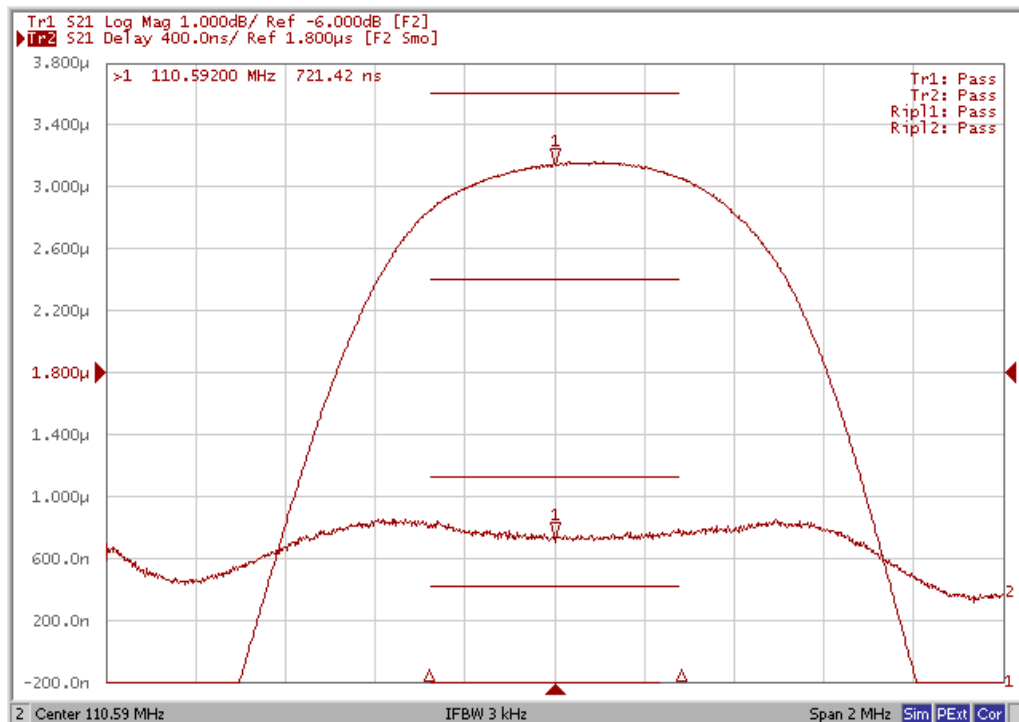
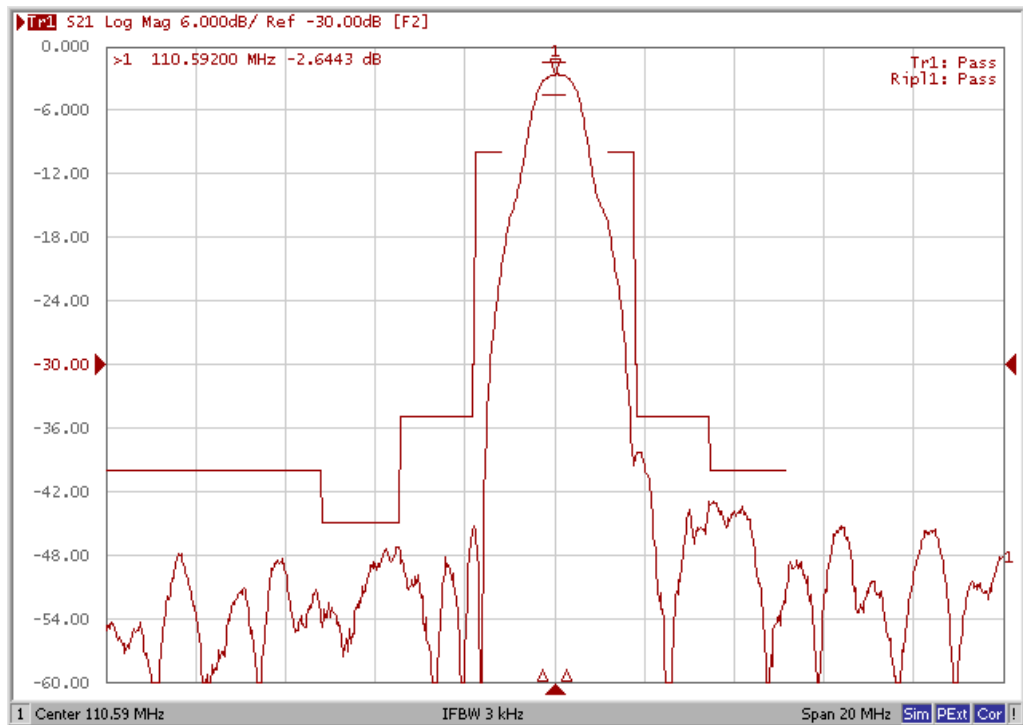
Items		Specification	Unit
Center frequency( $F_o$ )		110.592	MHz
Bandwidth		280	kHz
Insertion Loss, BW		4.5	dB max
Amplitude Ripple, BW		3.0	dB max
Group Delay Ripple, BW		700	ns max
Attenuation	$F_o \sim F_o \pm 0.280$ MHz	3.0	dB max
	$F_o \pm 1.150$ MHz $\sim F_o \pm 1.728$ MHz	10	dB min
	$F_o \pm 1.728$ MHz $\sim F_o \pm 1.828$ MHz	30	dB min
	$F_o \pm 1.828$ MHz $\sim F_o \pm 3.456$ MHz	35	dB min
	$F_o + 3.456$ MHz $\sim F_o + 5.184$ MHz	40	dB min
	$F_o - 3.456$ MHz $\sim F_o - 5.184$ MHz	45	dB min
	$F_o - 5.184$ MHz	50	dB min
	$F_o - 5.184$ MHz $\sim F_o - 15.00$ MHz	40	dB min
Impedance		50 ohm	
Input power, Maximum		0 dBm	
DC Voltage, Maximum		3 V	
Operation Temperature		-20°C to +70°C	
Storage Temperature		-40°C to +85°C	

### Dimension

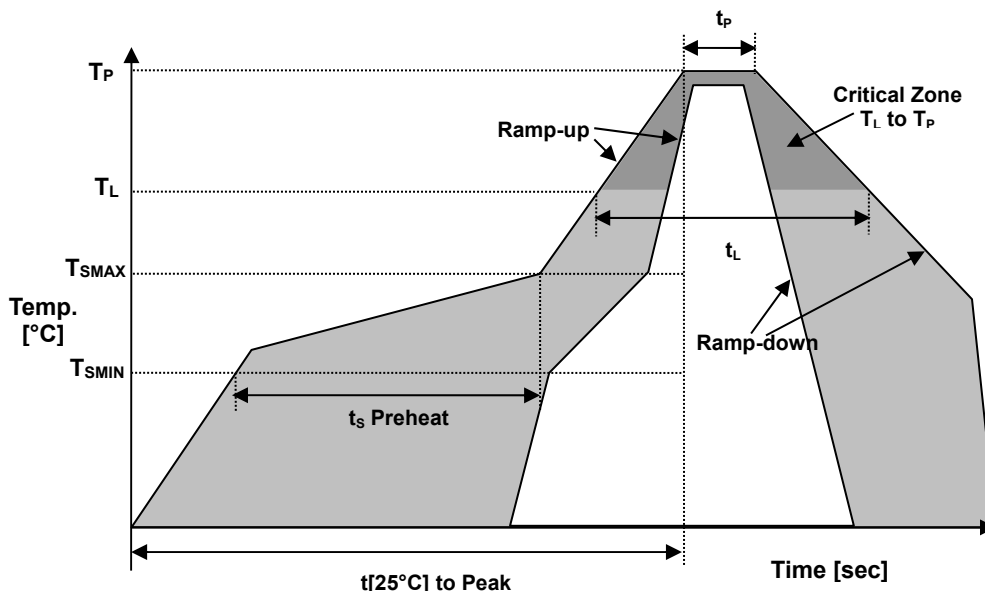


Pin Description	
A,B,C,F,G,H	Ground
I	Input
J	Ground
D	Output
E	Ground

**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 $t[25^\circ\text{C}]$ 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