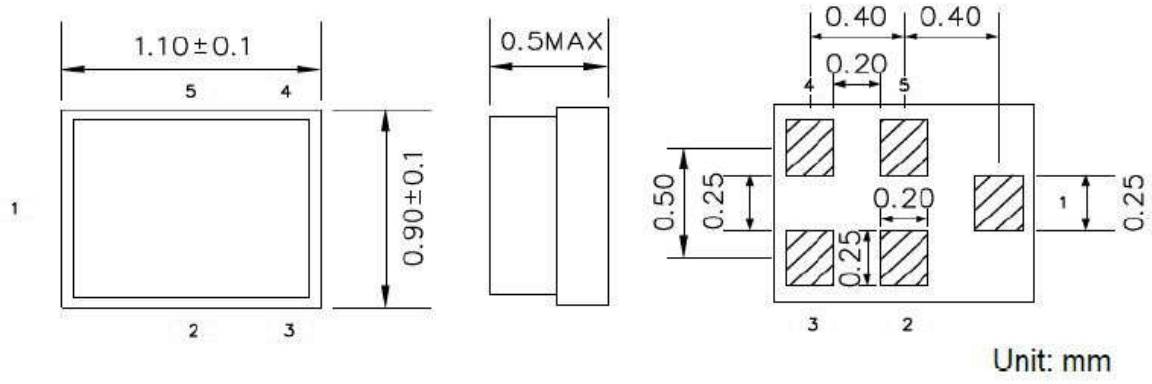
SAW FILTER FOR BAND 7
RSF-2655.000-70000-1109-TR

Electrical Specification

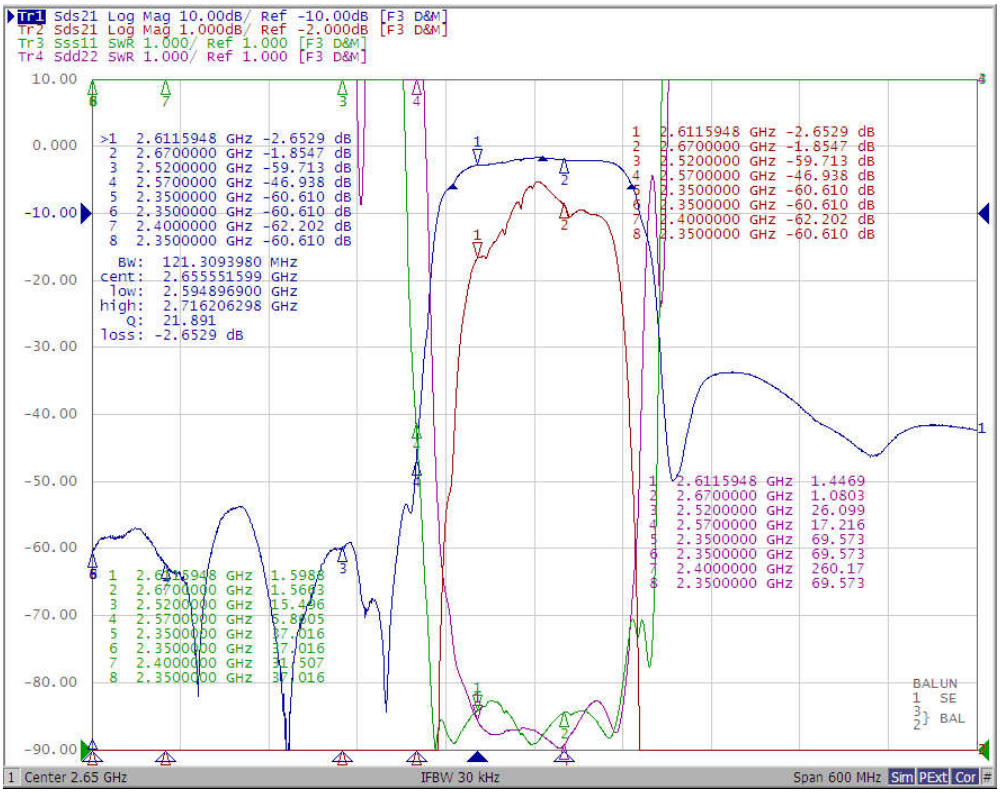
Items		Specification	Unit
Insertion Loss (2620 ~2690MHz) typ/max		2.4 / 3.2	dB
Passband Ripple (2620 ~2690MHz), typ/max		0.7 / 2.0	dB
VSWR (2620 ~2690MHz), Typ/max	**ANT**	1.6 / 2.2	-
	R_X	1.7 / 2.2	-
Amplitude Balance (2620 ~2690MHz), typ/max		±0.9 / ±1.4	dB
Phase Balance (2620 ~2690MHz), typ/max		180±7 / 180±12	°
Absolute Attenuation min/typ	DC ~ 2000 MHz	-40 / -50	dB
	2000 ~ 2380 MHz	-40 / -55	dB
	2380 ~ 2450 MHz	-40 / -55	dB
	2450 ~ 2484 MHz	-40 / -52	dB
	2500 ~ 2570 MHz	-44 / -48	dB
	2750 ~ 4000 MHz	-30 / -35	dB
	4000 ~ 6000 MHz	-25 / -32	dB
Terminating Source Impedance, unbalanced		50 // 10	Ω // nH
Terminating Load Impedance, balanced		100 // 6.8	Ω // nH
Input Power, 2000h		15	dBm
Operating Temperature Range		-20 to +85	°C
Storage Temperature		-40 to +85	°C

Dimension

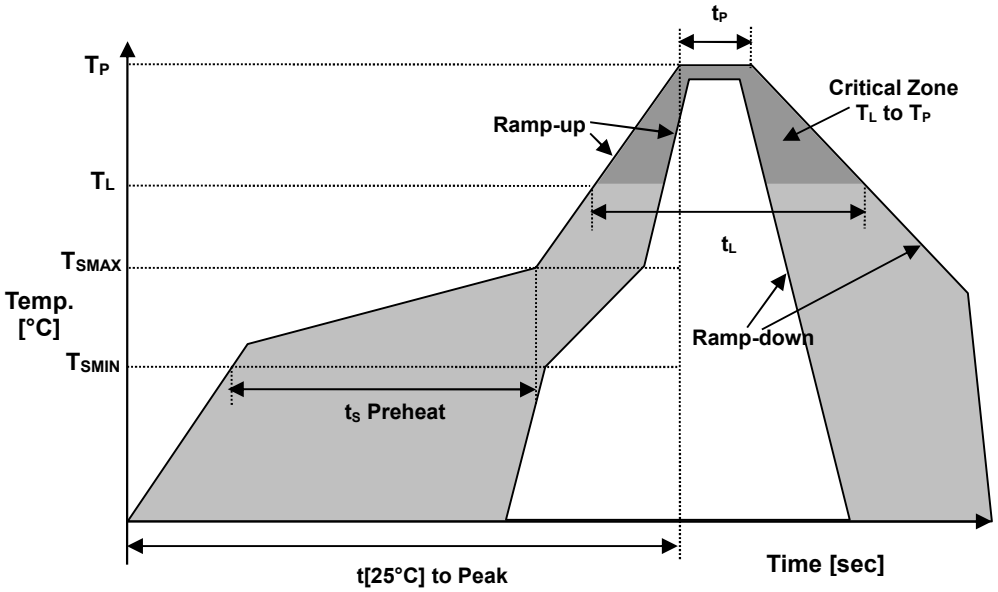


PIN #	PIN NAME	DESCRIPTION
1	Input	Unbalanced
2	GND	Ground
3	Output	Balanced
4	Output	Balanced
5	GND	Ground

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] 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