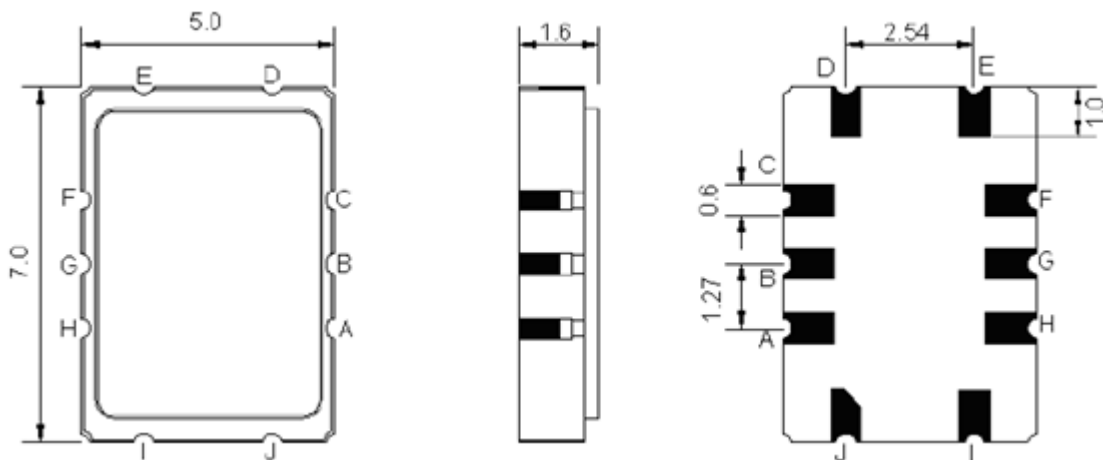


### RSF-164.175-122-7050-TR-49

page 1 of 3

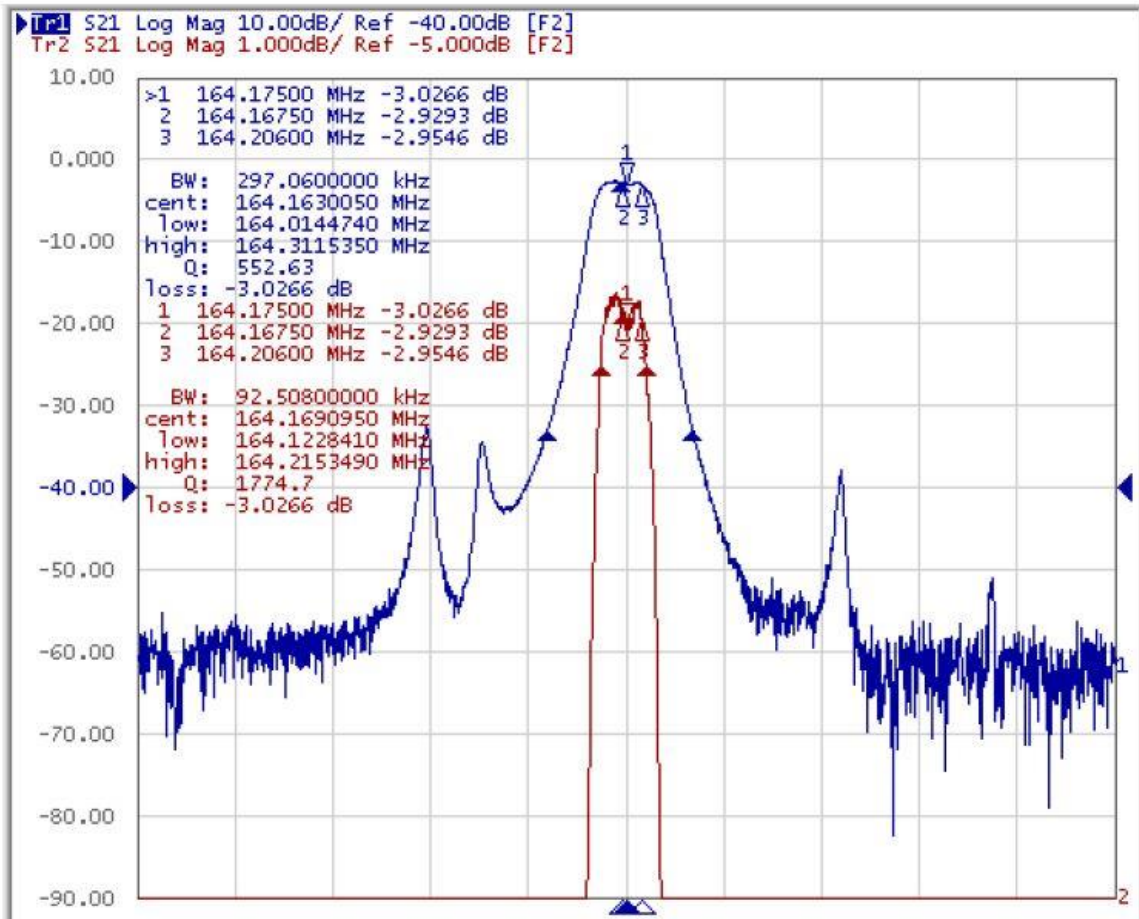
Items	Specification	Unit
Center frequency( $F_0$ )	164.175	MHz
Bandwidth @-3dB, typ	122	kHz
Bandwidth @-10dB, typ/max	175 / 200	kHz
Insertion Loss (within $F_0-7.5\sim F_0+29.7$ kHz) typ / max	2.9 / 3.6	dB
Ripple in Pass Band (within $F_0-7.5\sim F_0+29.7$ kHz) typ/max	0.6 / 1.0	dB
Attenuation	154.175 ~ 163.255 MHz, min/typ	-50 / -54
	165.095 ~ 174.175 MHz, min/typ	-45 / -52
Aging, max	$\pm 10$	ppm/year
Input power, max	20	dBm
DC Voltage, max	10	V
Operating Temperature	-40 to +85	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$

### Dimension

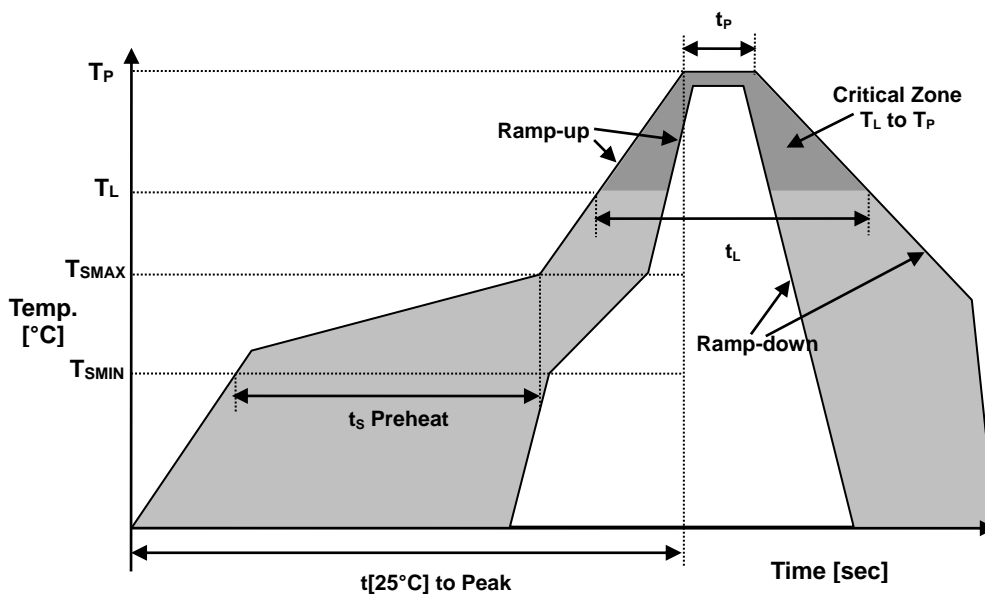


Pin Description	
A,B,C,F,G,H	Ground
I	Ground
J	Input
D	Ground
E	Output

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
RoHS-2	6/6 COMPLIANT & LEAD FREE
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



April 2016