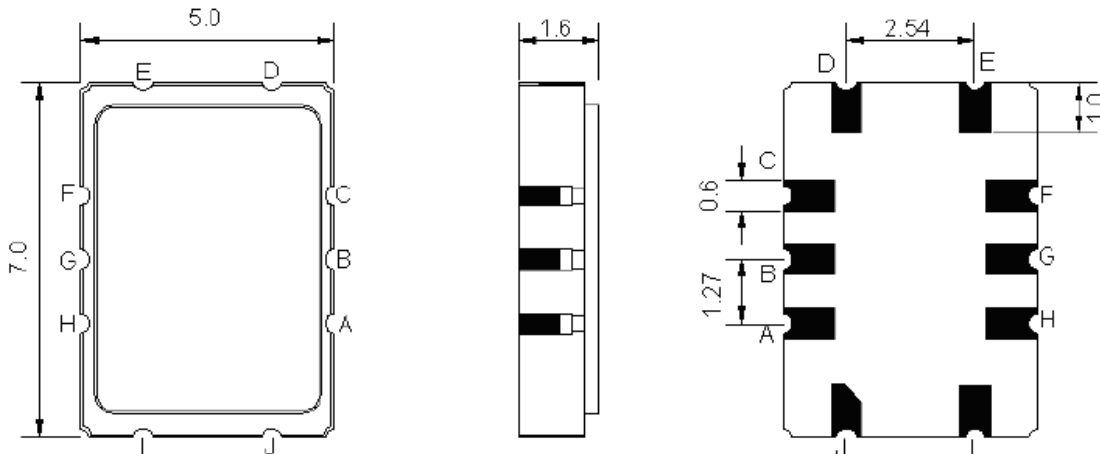


RSF-173.075-135-7050-TR

page 1 of 3

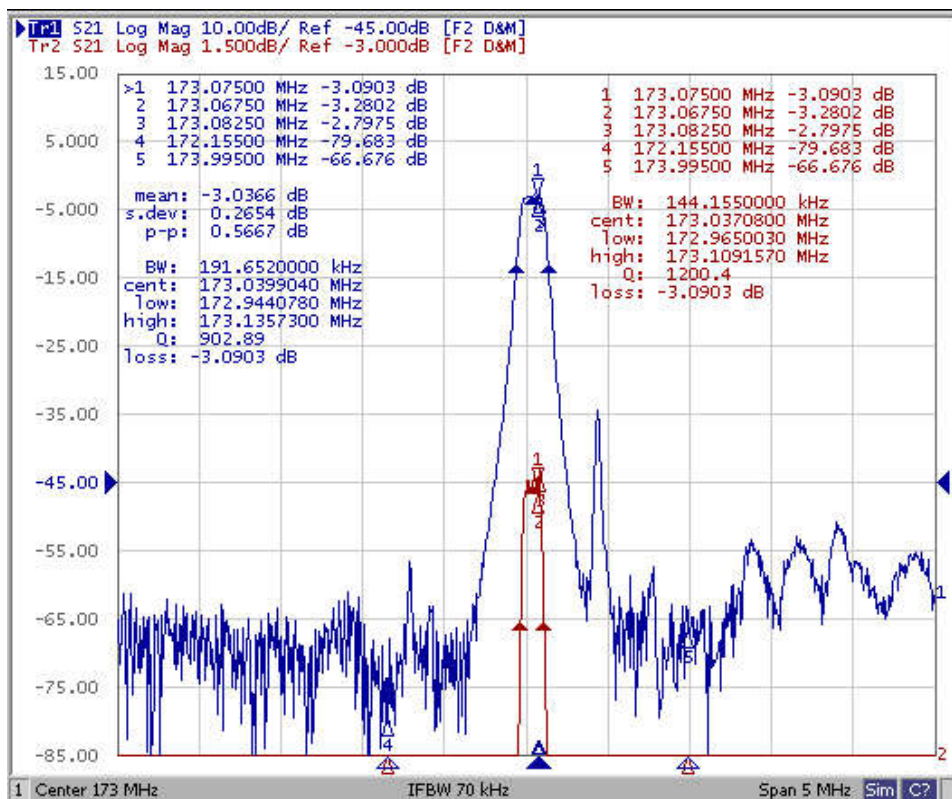
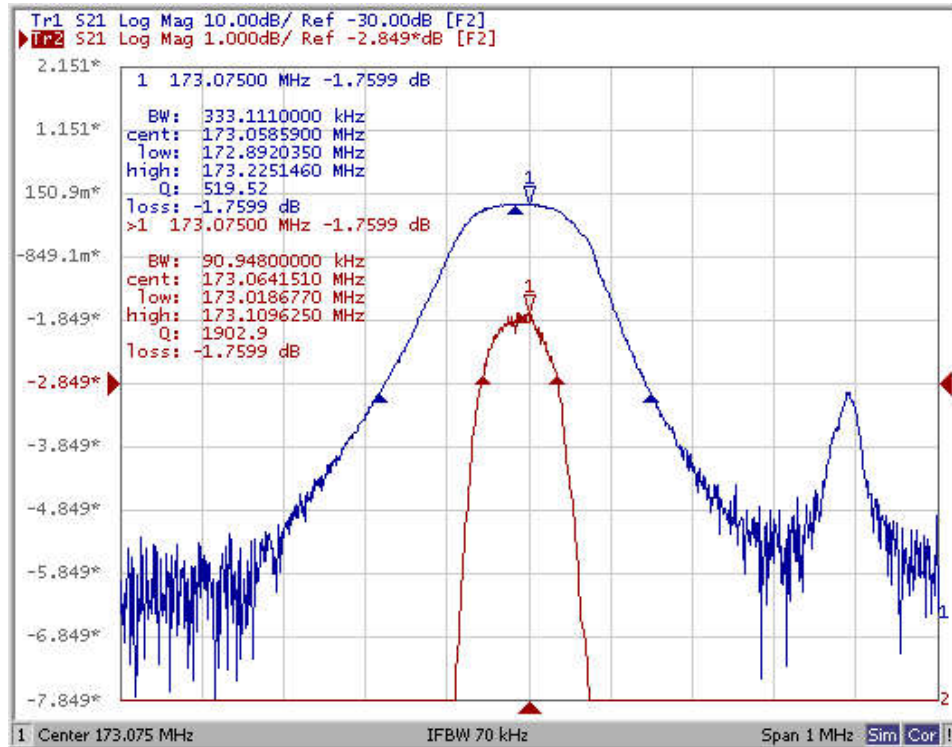
Items	Specification	Unit
Center frequency(F_0)	173.075	MHz
Bandwidth @-3dB	135	kHz
Bandwidth @-10dB	200	kHz
Insertion Loss (within $f_c-7.5 \sim f_c+30.5$ kHz)	3.6	dB max
Amplitude Ripple (within $f_c-7.5 \sim f_c+30.5$ kHz)	1.0	dB max
Attenuation	163.075 ~ 172.155 MHz	55
	173.995 ~ 183.075 MHz	45
Aging Maximum	± 10	ppm/year
Input power, Maximum	20 dBm	
DC Voltage, Maximum	10 V	
Operation Temperature	-40°C to $+85^\circ\text{C}$	
Storage Temperature	-40°C to $+85^\circ\text{C}$	

Dimension

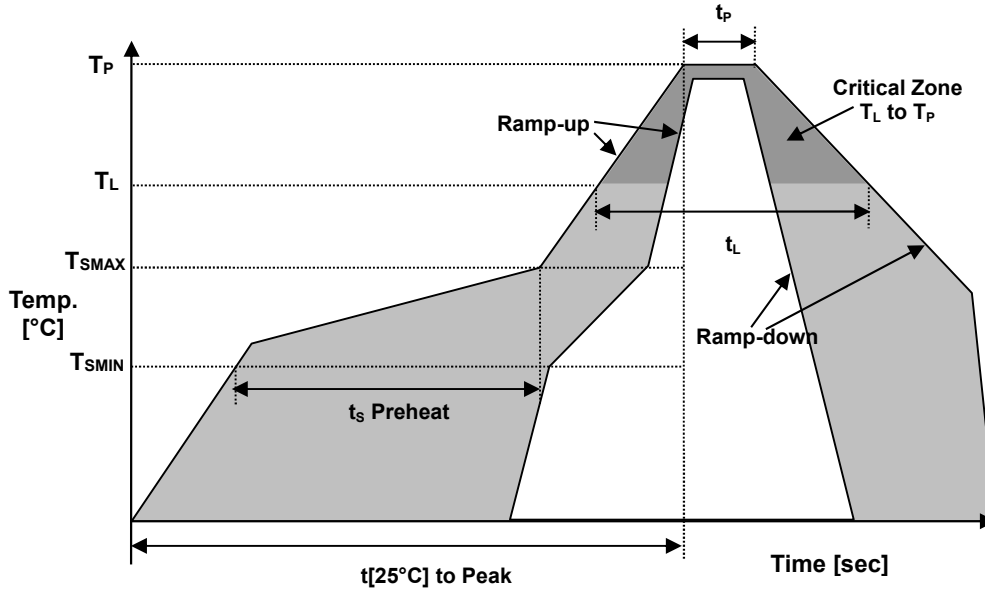


Pin Description	
A,B,C,F,G,H	Ground
I	Input
J	Ground
D	Output
E	Ground

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 $t_{[25^\circ\text{C}] \text{ to Peak Temperature}}$	$t_{[25^\circ\text{C}] \text{ to Peak}}$	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

