

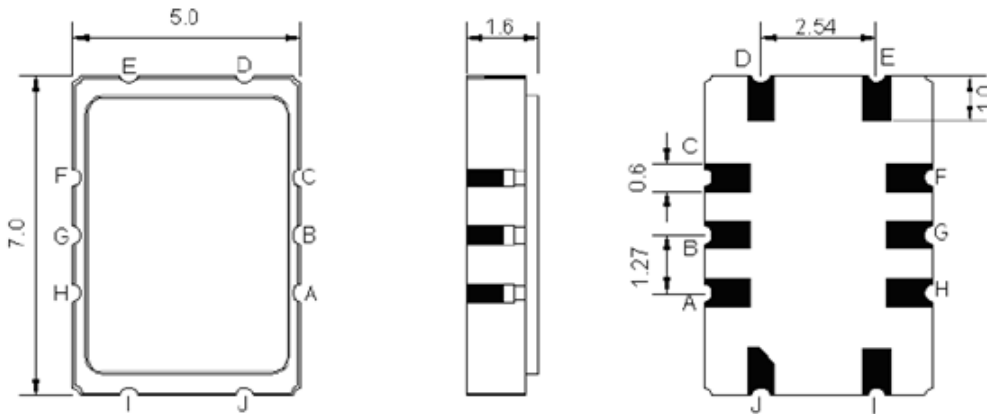
RSF-137.500-1000-7050-TR

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Items		Specification	Unit
Center frequency(Fo)		137.500	MHz
Insertion Loss (137.5 MHz), typ/max		2.0 / 3.5	dB
Amplitude Ripple (137~138MHz), typ/max		0.4 / 1.5	dB
Bandwidth	2dB, min/typ	1.4 / 3.5	MHz
	3dB, min/typ	1.8 / 3.9	MHz
	20dB, typ/max	5.3 / 6.0	MHz
Attenuation	129 MHz, min/typ	-42 / -52	dB
	134 MHz, min/typ	-30 / -45	dB
	141 MHz, min/typ	-20 / -23	dB
	146 MHz, min/typ	-30 / -52	dB
Input/Output Impedance		50	Ω
Input power, max		10	dBm
DC Voltage, max		10	V
Operating Temperature Range		-40 to +85	$^{\circ}\text{C}$
Storage Temperature		-40 to +85	$^{\circ}\text{C}$

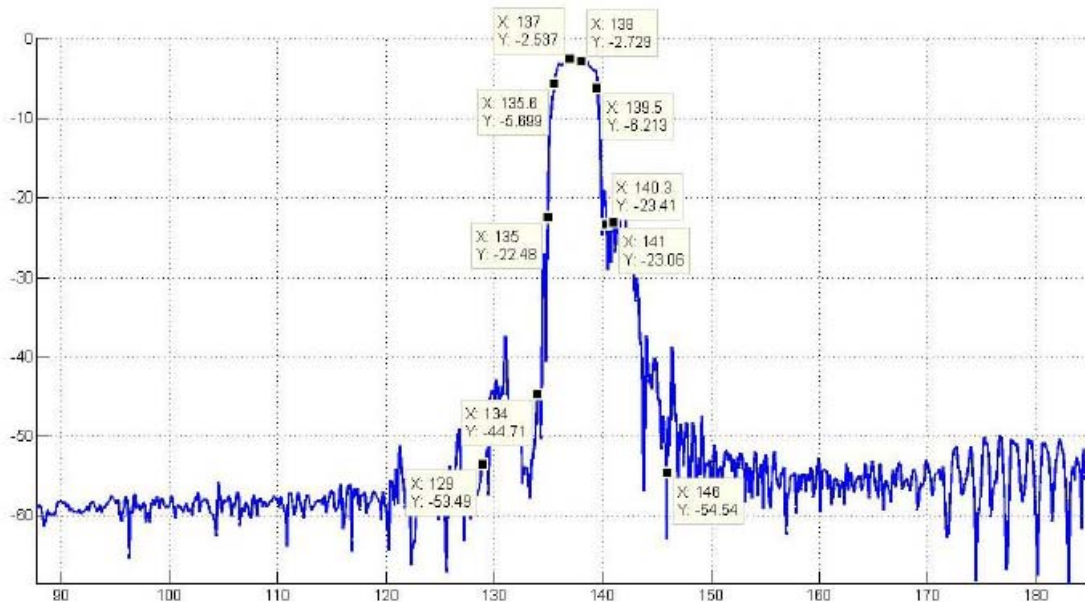
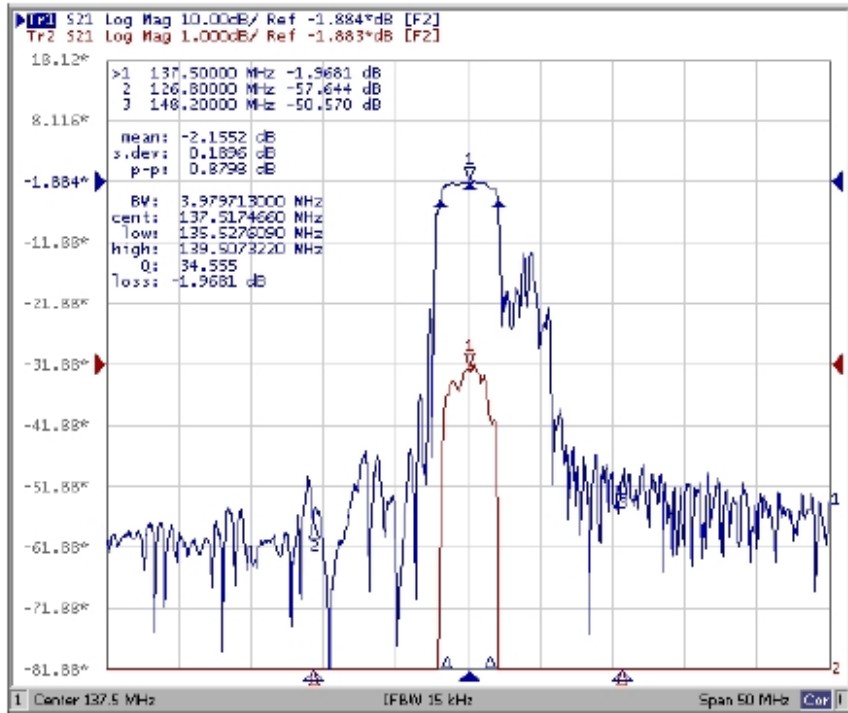
Note: Parameters at 25°C

Dimension

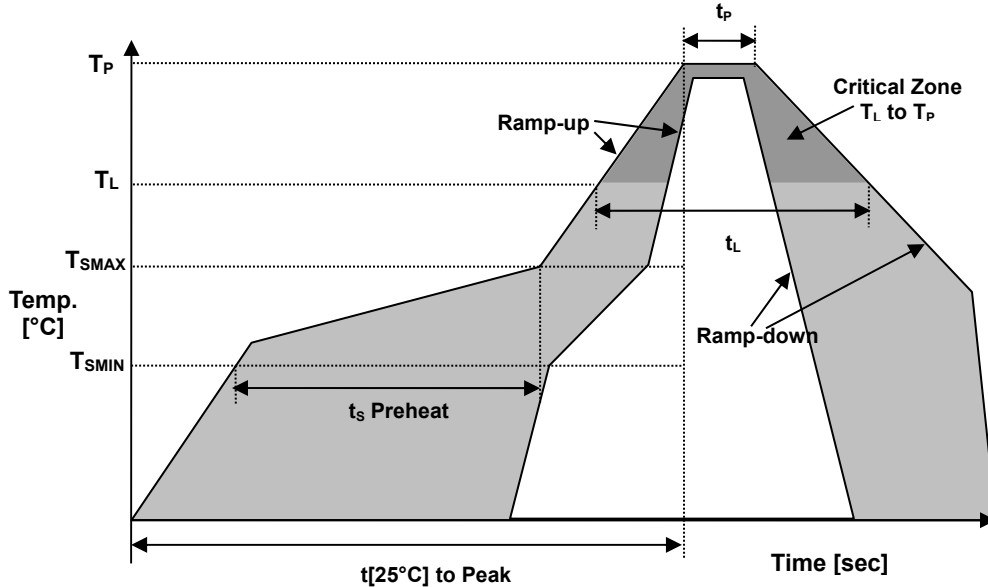


Pin Description	
A,B,C,F,G,H	Ground
I	Ground
J	Input
D	Ground
E	Output

Frequency Characteristics



● **REFLOW PROFILE**



Reflow profile		
Temperature Min Preheat	T_{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