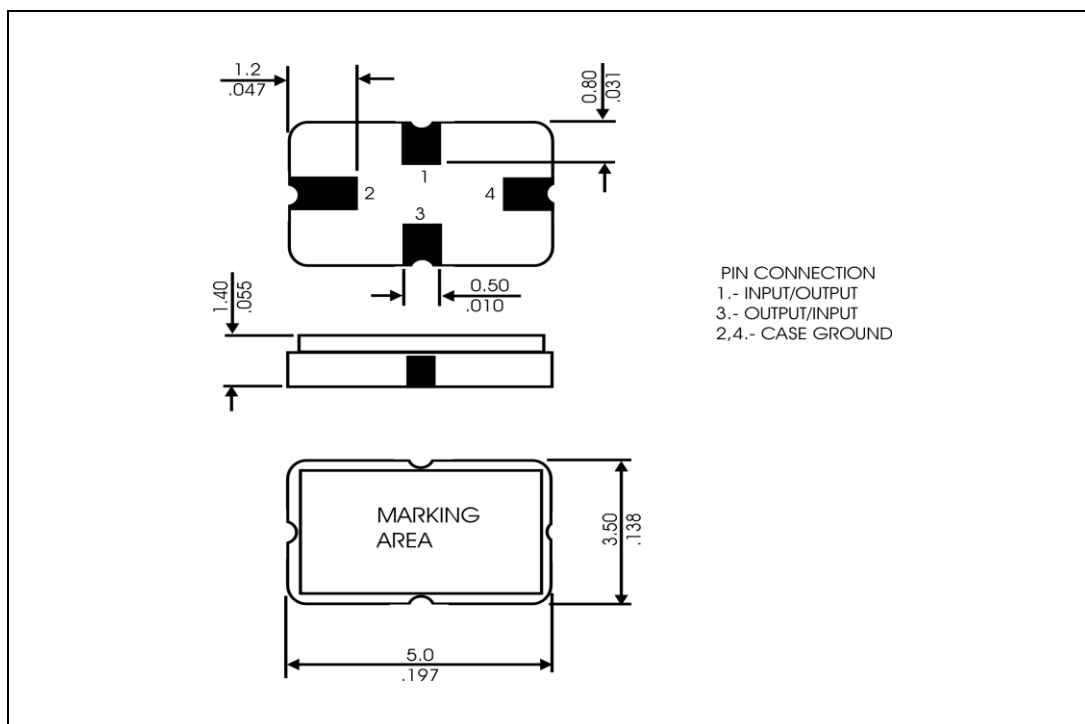


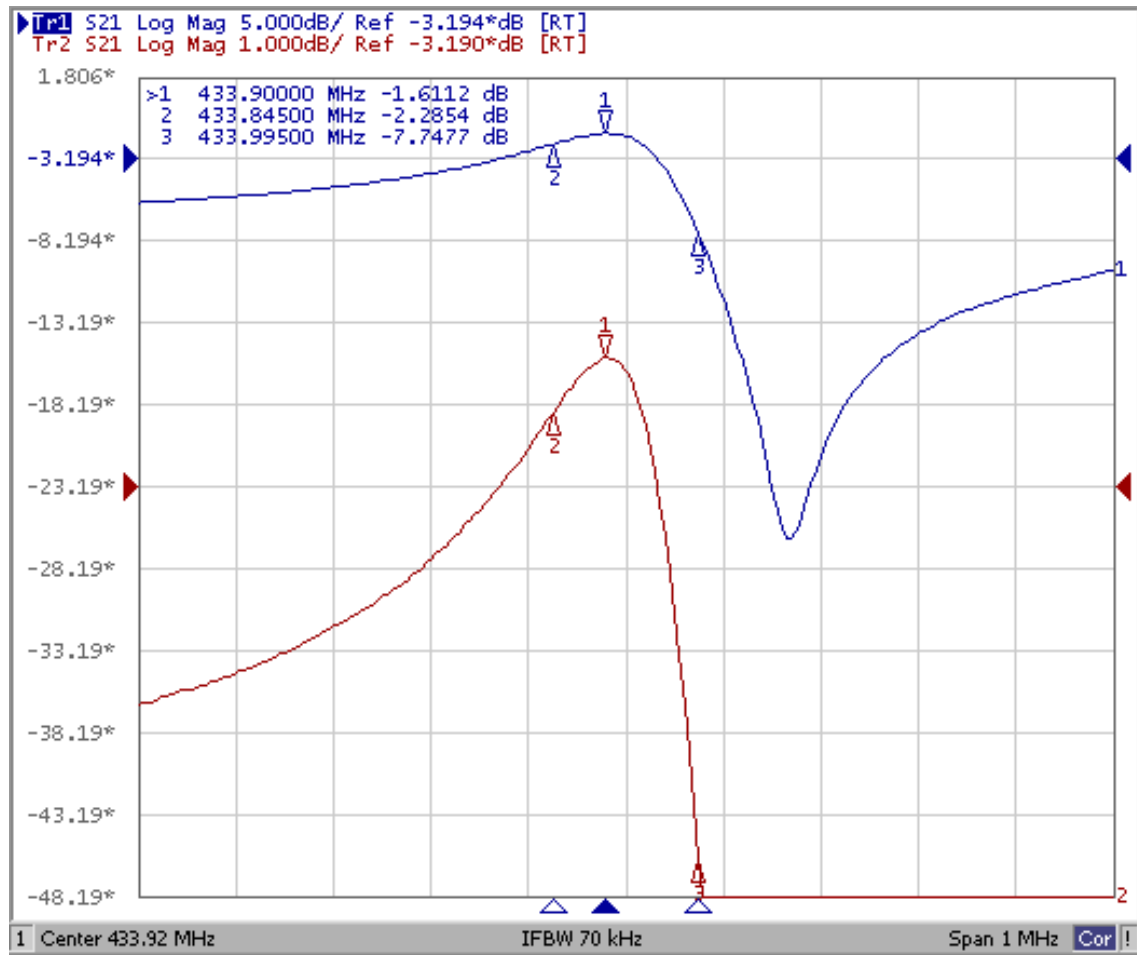
SPECIFICATIONS

Parameter	Specification	Unit
Center frequency (fo)	433.920 ±150 kHz	MHz
Insertion Loss, Max	1.9	dB
Quality Factor Unloaded, Typ	12,000	-
Quality Factor 50 Ω Loaded, Typ	1,500	-
Turnover Temperature	10 ~ 40	°C
Frequency Temperature Coefficient, Typ	-0.032	ppm/°C ²
Frequency Aging, Max	±10	ppm/year
Insulation Resistance (DC), Min	1.0	MΩ
Transducer Static Capacitance, Typ	2.3	pF
DC Voltage, Max	10	V
AC Voltage V _{pp} , 50/60Hz	10	V
Source Power, Max	20	dBm
Operating Temperature Range	-40 to +85	°C
Storage Temperature Range	-45 to +85	°C

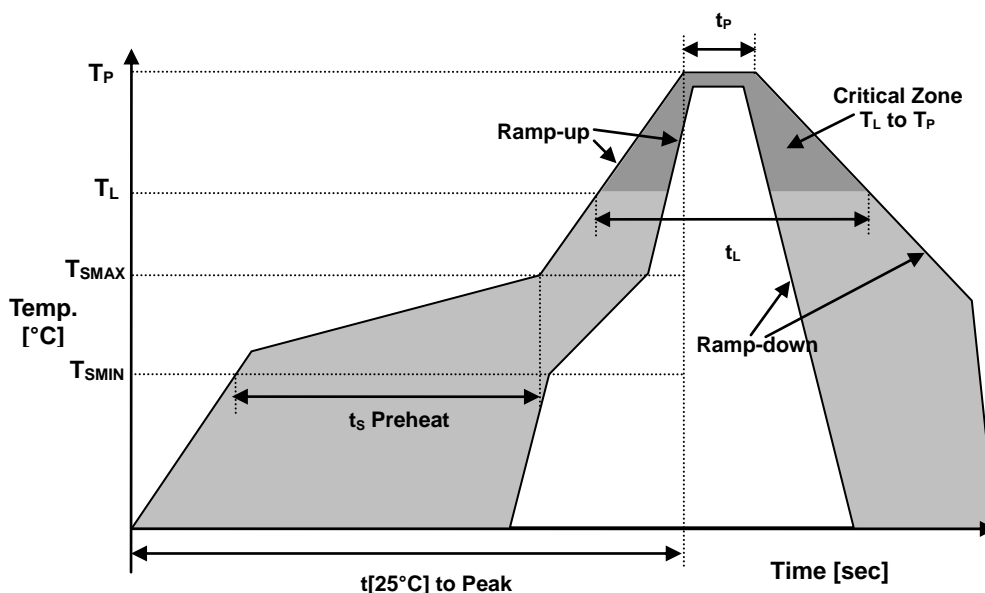
MECHANICAL SPECIFICATION



ELECTRICAL 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	245°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	Class 1
TERMINATION FINISH	Au



APPROVAL

RALTRON	
DRAWN BY	F. Parra, 24 November, 2015
APPROVED BY	F. Parra, 24 November, 2015
REVISION	A, Initial Release