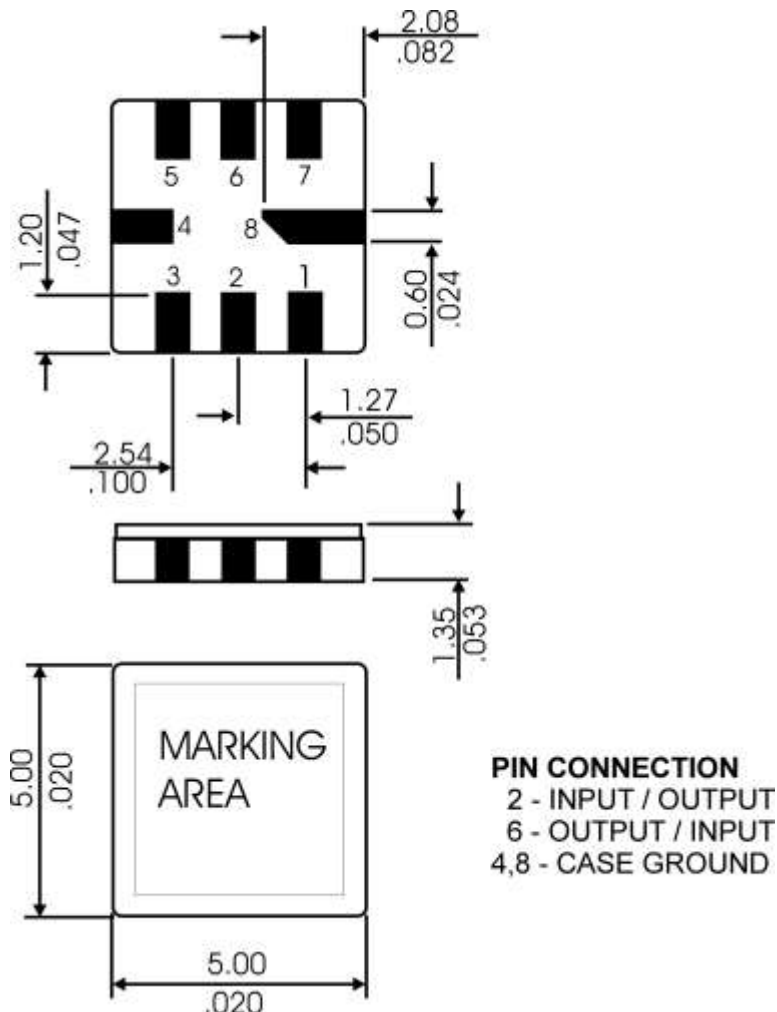
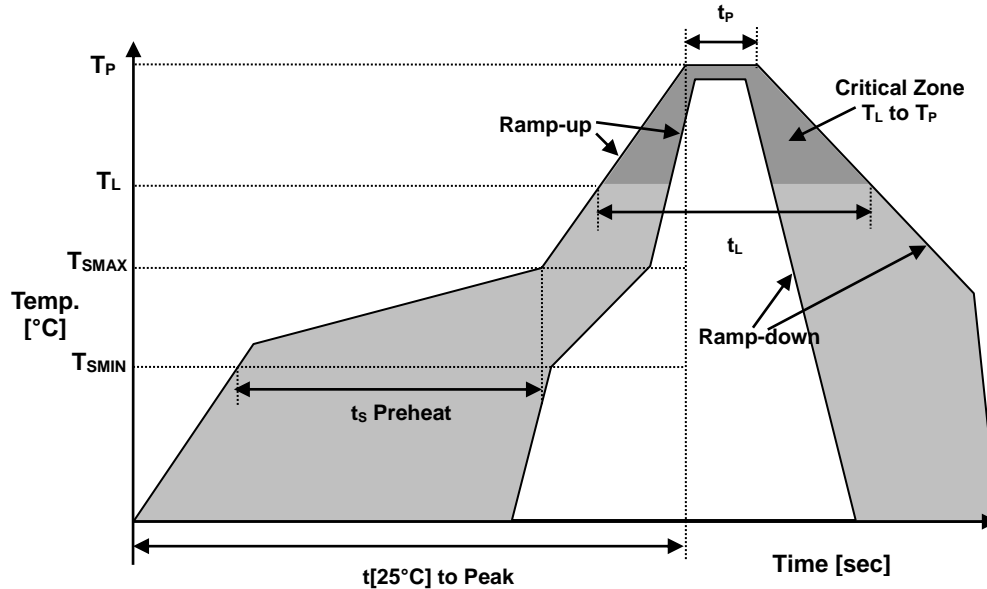


Items	Specification	Unit
Center frequency (fo)	403.550 ± 0.075	MHz
Insertion Loss, Max	2.0	dB
Quality Factor Unloaded, Typ	14,400	-
Quality Factor 50 Ω Loaded, Typ	1,000	-
Turnover Temperature	10 ~ 40	°C
Frequency Temperature Coefficient, Typ	-0.032	ppm/°C ²
Frequency Aging	< ±10	ppm/year
Insulation Resistance (DC), min	1.0	MΩ
Motional Resistance (R1), Typ	12.43	Ω
Motional Inductance (L1), Typ	70.6	μH
Motional Capacitance (C1), Typ	2.2	fF
Shunt Static Capacitance (C0), Typ	3.68	pF
DC Voltage, Max	12	V
Source Power, Max	0	dBm
Operating Temperature Range	-40 to +85	°C
Storage Temperature Range	-40 to +85	°C

Dimension



● **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	N/A
TERMINATION FINISH	Au



Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
REACH – SVHC	Compliant
RoHS 2	6/6

● **APPROVAL**

DRAWN BY	CP, March 06, 2015
APPROVED BY	CP, March 06, 2015
REVISION	A, Initial Release