

SAW Ceramic Surface Mount Resonator

One-Port SAW SMD Resonator

3.8 x 3.8 mm

Wireless Remote Control

Wireless security transmitters and receivers

One-Port Resonator

Fundamental Mode

Quartz Stabilization

Low Cost

Part Numbering Example: CS31Z-A0-50-292.123456

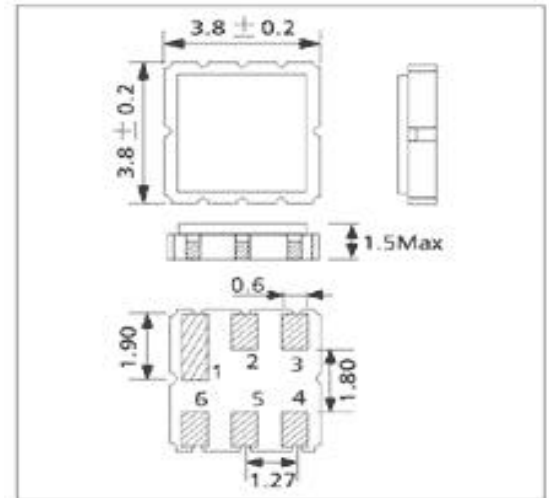
CS31 Z - A0 - 50 - 292.123456

SERIES	ADDED FEATURES	OPERATING TEMP.	TOLERANCE	FREQUENCY
Blank = Bulk Pack	Z = Tape & Reel	A0 = -10 C to +60 °C A2 = -40 C to +85 °C	50 = ± 50 kHz 75 = ± 75 kHz 100 = ± 100 kHz	

Specifications:

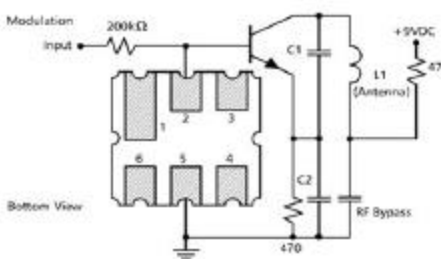
	Min	Typical	Max	Units
Frequency Range FO	292		980	MHz
Operating Temperature TOPR	-40	-10/+60	+85	°C
Temperature Stability at 25°C		-0.032		PPM/(?°C) ²
Frequency Tolerance F/FO at 25°C	+ 50		+ 500	kHz
Storage Temp Range TSTG	-40		+85	°C
Insertion Loss IL			3	dB
Shunt Capacitance CO			4	pF
Motional Resistance RM			50	?
Aging (First Year) Fa at 25°C	-10		+10	PPM/Yr

CS31



Pin	Connection
1	NC
2	Input
3	NC
4	NC
5	Output
6	NC

Typical Low-Power Transmitter Application



Typical Local Oscillator Application

