

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

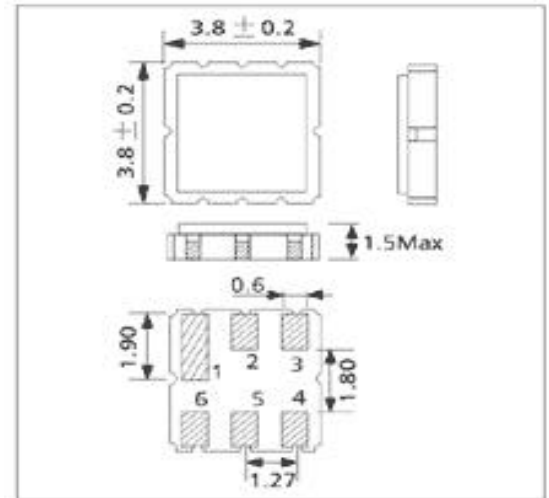
CS31 Z - A0 - 50 - 292.123456

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

Specifications:

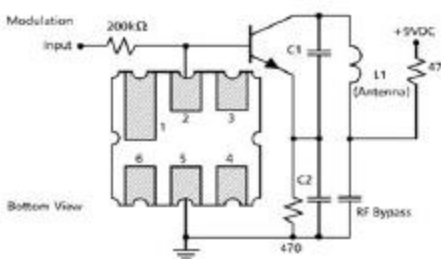
| | Min | Typical | Max | Units |
|----------------------------------|------|---------|-------|------------------------|
| Frequency Range FO | 292 | | 980 | MHz |
| Operating Temperature TOPR | -40 | -10/+60 | +85 | °C |
| Temperature Stability at 25°C | | -0.032 | | PPM/(?°C) ² |
| Frequency Tolerance 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

