

Quartz Crystal Unit Series

KLS14-SMD-6F Quartz Crystal Unit 7x5mm Series

FEATURE

- Ultra thin, thickness 1.0mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Automatic mounting
- Embossed taping specification
- Suitable for solder reflow

ELECTRICAL SPECIFICATIONS

- Output Frequency Range: 8.000 MHz ~ 110.000 MHz
- Mode: See table 1
- Frequency Tolerance (at 25°C): $\pm 10\text{ppm} \sim \pm 50\text{ppm}$ Max
- Frequency Stability Over Operating
 - Temperature Characteristics: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ $\pm 30\text{ppm}$,
 - $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ $\pm 50\text{ppm}$ or specify
- Storage Temperature Range: -55°C to $+125^{\circ}\text{C}$
- Operating Temperature Range: -10°C to $+60^{\circ}\text{C}$
 -40°C to $+85^{\circ}\text{C}$
- Shunt Capacitance (C_0): 5.0 pF Max
- Driver Level (Typical): $10\mu\text{W} \sim 100\mu\text{W}$
- Load Capacitance (C_L): Series, 16pF, 20pF, 30pF, 32pF, or specify
- Equivalent Series Resistance ESR (Ω): See table 1
- Aging @ 25°C 1st year (Max): $\pm 3\text{ppm}$,
 $\pm 5\text{ppm/year}$
- Shock Resistance: Drop test of 3 times on 2mm stainless plate from 75cm height

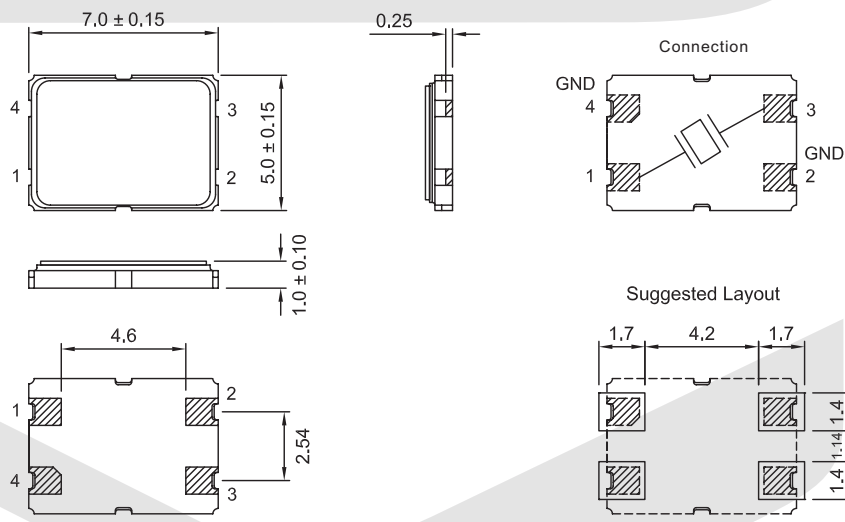


Frequency and Equivalent Series Resistant

Frequency Range	E.S.R. (Ω)	Mode
6.000 MHz ~ 15.999 Mhz	40 Max	Fundamental / AT
16.000 MHz ~ 32.000 MHz	35 Max	Fundamental / AT
30.000 MHz ~ 44.999 MHz	80 Max	Third Overtone / AT
45.000 MHz ~ 89.999 MHz	70 Max	Third Overtone / AT
90.000 MHz ~ 110.000 MHz	75 Max	Third Overtone / AT

REMARK: specifications subject to change without prior notice.
please confirm with our sales engineer.

Dimensions (mm)



ORDER INFORMATION

KLS14-SMD-6F-XXXX - XX - XX-XX

- Part Number
- SMD-6F: SMD Quartz Crystal Unit
- 7x5mm Series
- Frequency
- Temperature Stability
- Frequency Tolerance
- Load Capacitance