

Quartz Crystal Unit Series

KLS14-SMD-6H Quartz Crystal Unit 6x3.5mm Series

FEATURE

- Leadless type.
- High reliable environmental performance
- Designed for automatic mounting and reflow soldering.
- Tight tolerance and stability parts are available
- Emboss tapping specification.
- Available on tape & reel, 1000pcs per reel

ELECTRICAL SPECIFICATIONS

- Output Frequency Range: 10.000 MHz ~ 80.000 MHz
- Mode: See table 1
- Frequency Tolerance (at 25°C): ± 30ppm, ± 50ppm, or specify
- Frequency Stability Over Operating Temperature Characteristics: ± 30ppm, ± 50ppm, or specify
- Storage Temperature Range: -55°C to +125°C
- Operating Temperature Range: -10°C to + 60°C
-20°C to + 70°C
-40°C to + 85°C

- Shunt Capacitance (C₀): 5.0 pF Max
- Driver Level (Typical): 10μW ~ 100μW
- 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): ± 3ppm/year
- Shock Resistance: Drop test of 3 times on 2mm stainless plate from 75cm height

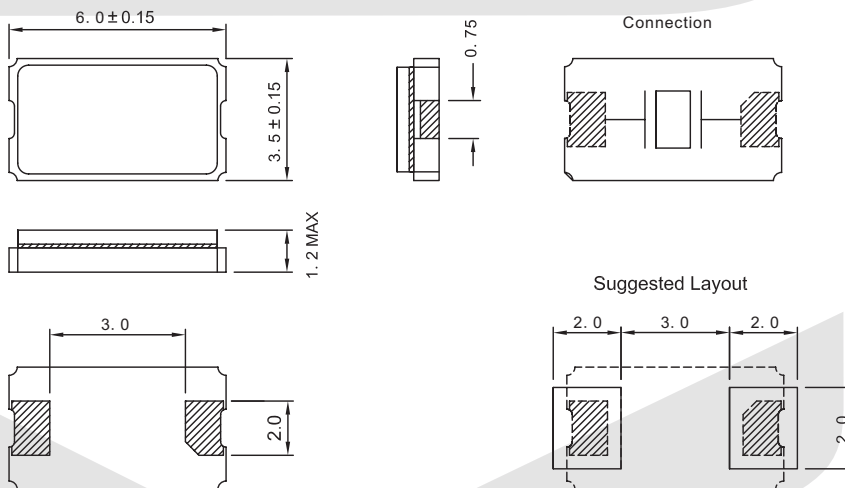
REMARK: specifications subject to change without prior notice.
please confirm with our sales engineer.



EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF OPERATION (MODE)

Frequency Range	E.S.R. (Ω)	Mode
8.000 MHz ~ 10.000 MHz	70 Max	Fundamental / AT
10.000 MHz ~ 40.000 MHz	40 Max	Fundamental / AT
30.000 MHz ~ 45.000 MHz	60 Max	Third Overtone / AT
45.000 MHz ~ 80.000 MHz	50 Max	Third Overtone / AT

Dimensions (mm)



ORDER INFORMATION

KLS14-SMD-6H-XXXX - XX - XX-XX

- Part Number
- SMD-6H: SMD Quartz Crystal Unit 6x3.5mm Series
- Frequency
- Temperature Stability
- Frequency Tolerance
- Load Capacitance