

Quartz Crystal And Ceramic Resonator

Quartz Crystal Unit Series

KLS14-SMD-6H Quartz Crystal Unit 8x4.5mm Series

FEATURE

- Leadless type.
- Automatic mounting.
- Rugged AT-cut crystal construction
- Suitable for solder reflow.
- Available on tape and reel, 1000pcs per reel
- Ideally suited designed for disc drives, NB, PCs and hand-held electronic products

ELECTRICAL SPECIFICATIONS

- Output Frequency Range: 8.000 MHz ~ 80.000 MHz
- Mode: See table 1
- Frequency Tolerance (at 25°C): $\pm 10\text{ppm} \sim \pm 50\text{ppm}$, or specify
- 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: -40°C to $+85^{\circ}\text{C}$
- Shunt Capacitance (C_0): 5.0 pF Max
- Driver Level (Typical): 10 μW
- 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): $\pm 3\text{ppm}$, $\pm 5\text{ppm}/\text{year}$
- 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.

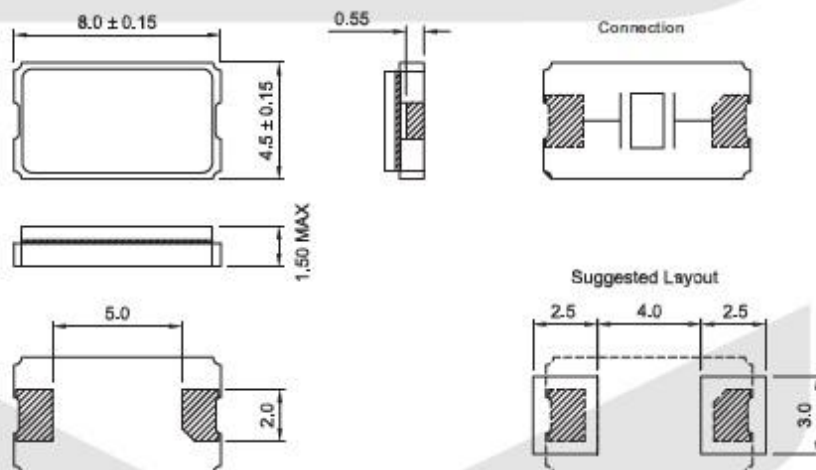


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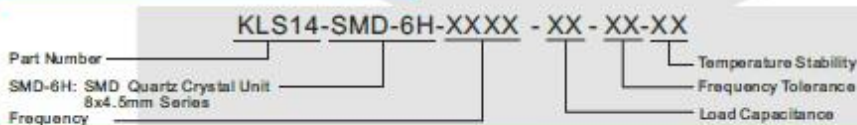
EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF OPERATION (MODE)

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



All specification & dimensions are subject to change, please call your nearest KLS sales representative for update information