

4.0 X 2.5mm SMD Crystal

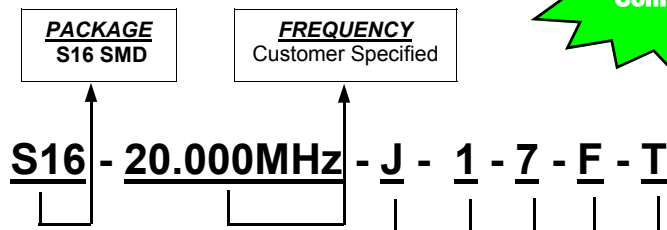
S16 Series



Features of the S16 series Crystal:

- RoHS compliant (Pb free)
- Small package (4.0 x 2.5 x 0.75mm)
- Performance optimized for mobile phones & Bluetooth applications

Part Number Guide



TOLERANCE/STABILITY vs. TEMP

J ... Production Specified (see table below)

OPERATING TEMPERATURE

1.... 0°C to +70°C
5.... Customer Specified

LOAD CAPACITANCE

7.... 10 pF
X ... Customer Specified

MODE OF OPERATION

F Fundamental

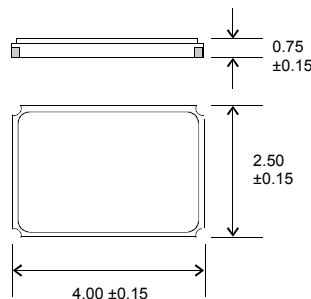
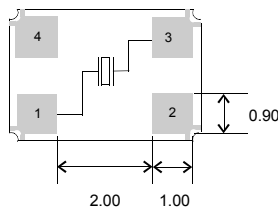
OPTIONS

T.... Tape & Reel
R ... RoHS Compliant

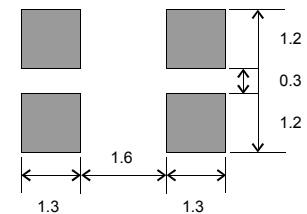
Electrical Specifications

| | |
|-----------------------|---|
| Frequency Range | 12.000 MHz ~ 40.000 MHz |
| Standard Frequencies | 13.000MHz, 16.000MHz, 26.000MHz & 32.000MHz |
| Mode | Fundamental, AT cut |
| Frequency Tolerance | ±10ppm Min ~ ±30ppm Max (±15ppm typical) @ 25°C |
| Temperature Tolerance | ±10 ~ ±30ppm (-10°C to +70°C Ref. to 25°C) |
| Storage Temperature | -40°C ~ +85°C |
| ESR | 12.0MHz ~ 19.999MHz > 80Ω Max 20.0MHz ~ 25.999MHz > 70Ω Max 26.0MHz ~ 40.0MHz > 50Ω Max |
| Shunt Capacitance | 3pF Max. |
| Load Capacitance | 8pF Min to 12pF Max |
| Drive Level | 10μW ~ 300μW , 100μW Typical |
| Aging | ±2ppm Max. (25°C ±3°C)/ (1 st year) |

Mechanical Specifications



Land Pattern



Unit : mm



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