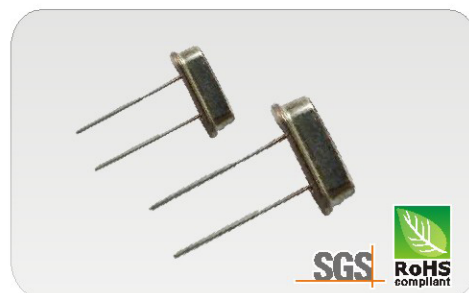


QUARTZ CRYSTAL, SERIES WX6

Resistance Welded HC-49/S Low Profile Package

■ FEATURE

- Standard height 3.5mm, the part is compact at about one-fourth of the HC-49/U package
- A resistance weld completely sealed type
- Good stability and high reliability
- Copes with high density mounting and is the optimum for mass production



■ ELECTRICAL SPECIFICATIONS

| Item | Specifications |
|--|--|
| Frequency Range | 3.579545 to 100.000MHz |
| Load Capacitance(C_L) | Series, 16pF, 18pF, 20pF, 30pF, or specify |
| Frequency Tolerance | ± 30 ppm at $25 \pm 2^\circ\text{C}$ (standard) or specify |
| Operating Temperature Range | -10°C — $+60^\circ\text{C}$ (standard), -20°C — $+70^\circ\text{C}$, -40°C — $+85^\circ\text{C}$, or Specify |
| Frequency Stability Over Operating Temperature range | ± 30 ppm(Typical), or specify |
| Storage Temperature Range | -40°C — $+85^\circ\text{C}$ |
| Shunt Capacitance (C_0) | 7PF Max |
| Drive Level | 100 μ W Typical |
| Insulation resistance | 500 Ω AT DC100VDC |
| Aging(at 25°C) | ± 5 ppm/year maximum |

*Please consult our sales representative for other specifications.

■ EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

| Frequency Range | ESR(Ω) | Mode | Frequency Range | ESR(Ω) | Mode |
|----------------------|-----------------|----------------|----------------------|-----------------|-------------------|
| 3.579545MHz~5.999MHz | 150Max | Fundamental/AT | 24.000MHz~40.320MHz | 30Max | Fundamental/BT |
| 6.000MHz~7.999MHz | 60Max | Fundamental/AT | 24.000MHz~29.999MHz | 100Max | Third Overtone/AT |
| 8.000MHz~15.999MHz | 50Max | Fundamental/AT | 30.000MHz~49.999MHz | 80Max | Third Overtone/AT |
| 16.000MHz~30.000MHz | 30Max | Fundamental/AT | 50.000MHz~100.000MHz | 60Max | Third Overtone/AT |

