

Resistance Welded Mini-49S SMD

7.0×4.1×2.0 mm

Feature

- Surface mount type crystal units, High 2.0mm
- Higher frequency available and lower equivalent series resistance
- Lower cost and highly mass production capability
- RoHS Compliant / Pb Free



Electrical Specifications

Item	Specifications	
Frequency Range(MHZ)	12~20	20~32
Mode	AT/Fundamental	
Load Capacitance (CL)	8pF, 10pF, 12pF or Specify	
Frequency Tolerance(at 25°C)	±10ppm~±30ppm or specify	
Operating Temperature Range	-20~+70°C or Specify	
Frequency Stability Over Operating Temperature Range	±10ppm ~ ±30ppm or specify	
Equivalent Series Resistance (ESR) max.	60Ω	40Ω
Storage Temperature Range	-55~+125°C	
Shunt Capacitance(C ₀)	7.0 pF Max	
Drive Level (Typical)	1 μW~ 500 μW (100μW typical)	
Aging @25 °C 1st Year (Max)	±3 ppm/year or ± 5 ppm/year	

Dimension(mm)

