



**LOW FREQUENCY RESISTANCE WELD SOCKET PIN PACKAGE - HC48U Series**

**FEATURES**

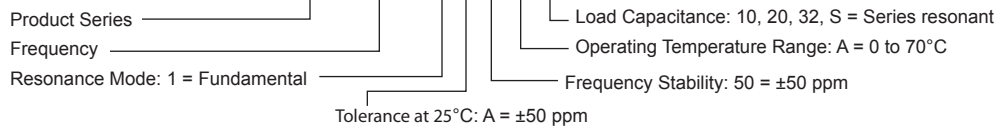
- Important Low Frequency Range for Special Applications
- AT-cut Crystal, Excellent Aging and Reliability
- Industry Standard Package, Excellent Clock Signal Generator for CPUs

**SPECIFICATIONS**

<b>Frequency Range</b>	1.000 MHz to 4.200 MHz
<b>Standard Frequencies</b>	1.000MHz, 1.8432MHz, 2.000MHz, 2.097152MHz, 2.667MHz, 3.000MHz, 3.200MHz, 3.2768MHz, 3.579545MHz, 4.194304MHz
<b>Resonance Mode</b>	1 = Fundamental
<b>Calibration Tolerance @25°C</b>	A = ±50 ppm, Standard
<b>Frequency Stability Ref @25°C</b>	50 = ±50 ppm
<b>Temperature Range</b>	A = 0°C to 70°C
<b>Crystal Aging</b>	±3 ppm / year Maximum
<b>Storage Temperature</b>	-40°C to 85°C
<b>Load Capacitance (CL)</b>	CL = 10 pF to 32 pF to be specified, or S = Series resonant
<b>Shunt Capacitance</b>	7 pF Maximum
<b>Drive Level</b>	0.5 mW Typical, 1 mW Maximum

**Typical Part Number**

**HC48U-2M000-1 A 50 A 18 -options**



**Equivalent Series Resistance**

Frequency (MHz)	Mode	Max ESR (Ohms)
1.0000	Fund	750
1.8432	Fund	500
2.0000	Fund	250
2.097152	Fund	250
2.6670	Fund	250

Frequency (MHz)	Mode	Max ESR (Ohms)
3.0000	Fund	100
3.27680	Fund	100
3.579545	Fund	100
4.194304	Fund	100

**OUTLINE DRAWING**

