

**LOW FREQUENCY RESISTANCE WELD THRU-HOLE PACKAGE - HC51U Series**

**FEATURES**

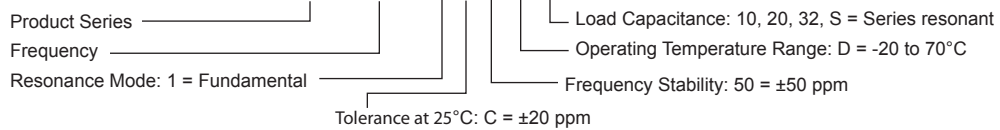
- Important Low Frequency Range for Special Applications
- AT-cut Crystal, Excellent Aging and Reliability
- Industry Standard Package, Excellent Clock Signal Generator for CPUs

**SPECIFICATIONS**

<b>Frequency Range</b>	2.000 MHz to 4.000 MHz
<b>Standard Frequencies</b>	2.000 MHz, 2.097152 MHz, 2.4576 MHz, 2.667 MHz, 3.000 MHz, 3.200 MHz 3.2768 MHz, 3.579545 MHz, 4.000 MHz
<b>Resonance Mode</b>	1 = Fundamental
<b>Calibration Tolerance @25°C</b>	C = ±20 ppm, Standard
<b>Frequency Stability Ref @25°C</b>	50 = ±50 ppm
<b>Temperature Range</b>	D = -20°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**

**HC51U-2M000-1 C 50 D 18 -options**



**Equivalent Series Resistance**

Frequency (MHz)	Mode	Max ESR (Ohms)
2.0000	Fund	400
2.097152	Fund	400
2.45760	Fund	350
2.6670	Fund	300
3.0000	Fund	250

Frequency (MHz)	Mode	Max ESR (Ohms)
3.2000	Fund	200
3.27680	Fund	200
3.579545	Fund	150
4.0000	Fund	100

**OUTLINE DRAWING**

