

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

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

Typical Part Number HC51U-2M000-1 A 50 A 18 -options

Load Capacitance: 10, 20, 32, S = Series resonant

Product Series - Operating Temperature Range: A = 0 to 70°C Frequency -Resonance Mode: 1 = Fundamental - Frequency Stability: 50 = ±50 ppm

Tolerance at 25° C: A = ± 50 ppm

Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)	Frequency (MHz)	Mode	Max ESR (Ohms)
1.0000 1.8432 2.0000 2.097152 2.6670	Fund Fund Fund Fund Fund	750 500 250 250 250	3.0000 3.27680 3.579545 4.194304	Fund Fund Fund Fund	100 100 100 100

OUTLINE DRAWING

