



METAL CAN WITH 4 SOLDERING PADS SURFACE MOUNT PACKAGE - HC494PD Series

FEATURES

- RoHS Compliant (Pb-Free), Low Cost, Popular Microprocessor Crystals
- Industry Standard SMD Footprint, Interchangeable with Plastic Molded Package
- AT-cut Crystal, Excellent Aging, Extended Temperature Range
- Withstand IR or Vapor Phase Reflow Soldering Process

SPECIFICATIONS

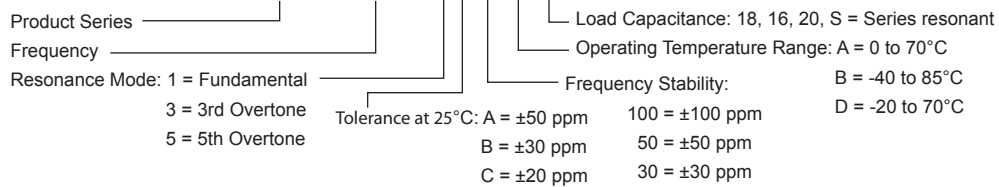
Frequency Range 3.500 MHz to 70.000 MHz
Resonance Mode 1 = Fundamental (3.5 to 36 MHz); 3 = 3rd Overtone (27 to 70 MHz)

Calibration Tolerance @25°C A = ±50 ppm; B = ±30 ppm; C = ±20 ppm; D = ±15 ppm; E = ±10 ppm
Frequency Stability Ref @25°C 100 = ±100 ppm; 50 = ±50 ppm; 30 = ±30 ppm
Temperature Range A = 0°C to 70°C; B = -40°C to 85°C; C = -10°C to 60°C; D = -20°C to 70°C
Crystal Aging ±5 ppm / year Maximum
Storage Temperature -55°C to 125°C

Load Capacitance (CL) CL = 18 pF (Standard), 16 pF, 20 pF, others, or S = Series resonant
Shunt Capacitance 7 pF Maximum
Drive Level 0.1 mW Typical, 1 mW Maximum

Creating a Part Number

HC494PD-16M000-1 B 50 A 18 -options



Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
3.500 - 3.999	Fund	200
4.000 - 4.999	Fund	150
5.000 - 5.999	Fund	120
6.000 - 6.999	Fund	100
7.000 - 8.999	Fund	80
9.000 - 12.999	Fund	60
13.000 - 15.999	Fund	50

Frequency (MHz)	Mode	Max ESR (Ohms)
16.000 - 19.999	Fund	40
20.000 - 36.000	Fund	30
27.000 - 70.000	3rd O/T	100

OUTLINE DRAWING

