

FC CRYSTALS 5.0mm x 1.9mm x 0.9mm

DESCRIPTION

FC crystals are ultra-miniature surface-mount crystals specifically designed to provide 32.768kHz for real-time clocks. With their ultra-small size and rugged construction they are ideal for battery-powered, hand held miniature equipment applications.

FEATURES

- · Frequency 32.7680kHz
- Ultra-miniature size 5.0 x 1.9 x 0.9mm (height)
- · Low mass and rugged construction
- · Supplied on tape and reel

GENERAL SPECIFICATION

Nominal Frequency: 32.7680kHz

Calibration Tolerance at 25°C: ±20ppm or ±50ppm (standard)

Load Capacitance (CL): 12.5pF standard or 7pf

Ageing at 25°C: ±3ppm maximum, first year Insulation Resistance: 500MW minimum @100VDC

Crystal Cut: X-Cut

Operating Temperature Range: -40° to 85°C
Storage Temperature Range: -55° to +125°C

Reflow Soldering: 10s maximum @+260°C, twice

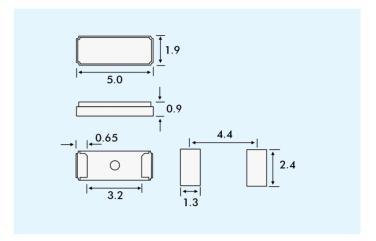
or <230°C for 180s.

Packaging: 16mm EIA Tape and Reel 3000 pieces per reel.

PART NUMBERS

Frequency (kHz)	Load Capacitance	Part Number	Tolerance ±ppm/ Temp. Range °C	ESR Max. (W)
32.768	12.5pF	PH32768S	±20/-40+85	65k
32.768	7pF	PH32768T	±20/-40+85	65k

OUTLINES AND DIMENSIONS



STABILITY/TEMPERATURE PERFORMANCE

