



Pletronics, Inc.

15013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA
Manufacturer of High Quality Frequency Control Products

**Specification For Part Number
MP49547-16.2327M**

Standard Part* Special Part**

Description:

HC-49/U, metal packaged thru-hole crystal for Flir

Specifications:

Frequency = 16.2327 MHz
Oscillation Mode = Fundamental
Calibration Frequency Tolerance = ± 20 PPM at 25 Deg. C
Frequency Stability = ± 30 PPM over operating temperature range of -40 to +85 Deg. C
Load Capacitance CL = 14 pF
Drive Level = 1 mW
Aging = ± 5 PPM per year at 25 Deg. C (+/- 10 ppm over 10 years)
Shunt Capacitance C0 = 7 pF maximum
Motional Capacitance C1/Pullability = not specified
ESR = 25 ohms maximum
C0/C1 Ratio=250 maximum
Design credits for Farrell Associates

Special Mechanical Requirements:

None

Special Tests:

+/-20 ppm @25 dc, +/-30 ppm over -40-+85 dc,

Non Standard Specs:

None

**Special part numbers are controlled through this specification. Revision of this specification is the prepared date.

*Electrical specifications are defined by the standard part number per OP-SLS02 and are shown for your reference only.

(See <http://www.pletronics.com/pdf/MP49.pdf> for complete standard part specifications)

Prepared By: Don Marston
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Authorized By:

Engineering Specifications Authorized By:
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