



Pletronics, Inc.

15013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA

Manufacturer of High Quality Frequency Control Products

Specification For Part Number

MP49546-27.0M

Standard Part* Special Part**

Description:

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

Specifications:

Frequency = 27.0 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, C0/C1 Ratio=250 maximum

ESR = 25 ohms maximum

Design credits for Farrell Associates

Special Mechanical Requirements:

None

Special Tests:

Calibration Frequency Tolerance = ± 20 PPM at 25 Deg. C, Frequency Stability = ± 30 PPM over operating temperature range of -40 to +85 Deg. C

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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