



Pletronics, Inc.

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Manufacturer of High Quality Frequency Control Products

Specification For Part Number

SM77D010-106.25M

Standard Part* Special Part**

Description:

3rd overtone, Ceramic 5 x 7 mm (4 pad), surface mount clock oscillator for Delphi

Specifications:

Frequency = 106.25 MHz

Output Logic = CMOS with Enable/Disable

Frequency Stability = ± 50 PPM over operating temperature range of -40 to +85 Deg. C

Supply Voltage Vcc = 3.3V

Symmetry = 45/55% at 50% of Vcc

Logic "1" = 90% of Vcc minimum

Logic "0" = 10% of Vcc maximum

Output Load = 15 pF maximum

Supply Current Icc = 45 mA maximum with 15pF load

Tr and Tf = 1 nS maximum between Vcc 0.8v and 2.0v

Jitter = 8 pS RMS maximum

Carrier Frequency Modulation = Down @ 50 dBc from 100 kHz to 1.0 MHz

Sealed Crystal:

Yes

Special Mechanical Requirements:

None

Special Tests:

test to DESV

Non Standard Specs:

8 pS RMS MAX, Rise and fall time: 1 nS Max between Vcc 0.8V and 2.0V, Carrier Frequency modulation down @

**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/CMOS.htm> for complete standard part specifications)

Prepared By: Pat Lawson

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Authorized By:

Engineering Specifications Authorized By:

Phil Woo, Engineer on 12/30/2002 2:19:00 PM