



Pletronics, Inc.

19013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA

Manufacturer of High Quality Frequency Control Products

Specification For Part Number

SM77D086-106.25M

Standard Part* Special Part**

Description:

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

Specifications:

Frequency = 106.25 MHz

Output Logic = CMOS with Enable/Disable

Frequency Stability = ± 50 PPM over operating temperature range of -40 to +110 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 = 30 pF maximum

Supply Current Icc = 40 mA maximum with 15 pF load

Tr and Tf = 1.5 nS maximum with 15 pF load

Jitter = TBD

Design credits for Gordon & Wallach

Sealed Crystal:

Yes

Special Mechanical Requirements:

None

Special Tests:

Test to +/-25 PPM over -40 to +85dc to meet electrical requirement -40 to +110dc

Non Standard Specs:

order as SM7745DESV-106.25M-30

**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

*Must use NPC 5019 Series IC Revised:10-16-2013 RH.

Prepared By: Donna Zabel

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Authorized By:

Engineering Specifications Authorized By:

Bob Gubser, Engineer on 4/9/2004 8:45:00 AM

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