



Pletronics, Inc.

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

Manufacturer of High Quality Frequency Control Products

Specification For Part Number

SM77H136-20.0M

Standard Part* Special Part**

Description:

Ceramic 5 x 7 mm (4 pad), surface mount clock oscillator for PARKER HANNIFIN

Specifications:

Frequency = 20.0 MHz

Output Logic = CMOS with Enable/Disable

Frequency Stability = ± 100 PPM over operating temperature range of -55 to +85 Deg. C

Supply Voltage Vcc = 3.3V

Symmetry = 40/60% at 50% of Vcc

Logic "1" = 90% of Vcc minimum

Logic "0" = 10% of Vcc maximum

Output Load = 15 pF maximum

Supply Current Icc = 15 mA maximum with 15pF load

Tr and Tf = 5.0 nS maximum with 15 pF load, THIS IS A COMMERCIAL GRADE PART

AND IS BUILT TO PLETRONICS SPECS AS SHOWN ON OUR WEB SITE

WWW.PLETRONICS.COM

Design credits for Gordon & Wallach

Sealed Crystal:

Yes

Special Mechanical Requirements:

None

Special Tests:

+/-100 PPM OVER -55-+85 DC

Non Standard Specs:

+/-100 PPM OVER -55-+85 DC, THIS IS A COMMERCIAL GRADE PART AND IS BUILT TO PLETRONICS SPECS AS SHOWN ON OUR WEB SITE WWW.PLETRONICS.COM

**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: Don Marston

Date Prepared: 7/15/2003

Authorized By:

Engineering Specifications Authorized By:

Claude Lee, on 7/16/2003 11:51:00 AM

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