



**Pletronics, Inc.**

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

**Specification For Part Number  
SM55T001-44.0M**

Standard Part\*  Special Part\*\*

**Description:**

Ceramic 3 x 5 mm (4 pad), surface mount clock oscillator for Dove/Symbol Tech.

**Specifications:**

Frequency = 44.0 MHz, fundamental Output Logic = CMOS with Enable/Disable  
Frequency Stability =  $\pm 20$  PPM over operating temperature range of -30 to +70 Deg. C  
inclusive of all items over temperature  
voltage deviation, and aging  
Supply Voltage  $V_{cc} = 2.8V \pm 5\%$   
Symmetry = 45/55% at 50% of  $V_{cc}$   
Logic "1" = 90% of  $V_{cc}$  minimum  
Logic "0" = 10% of  $V_{cc}$  maximum  
Output Load = 15 pF maximum  
Supply Current  $I_{cc} = 7$  mA maximum with 15pF load  
 $T_r$  and  $T_f = 4.0$  nS maximum with 15 pF load  
Design credits for Gordon & Wallach

**Sealed Crystal:**

Yes

**Special Mechanical Requirements:**

None

**Special Tests:**

$\pm 20$  PPM OVER -30-+70 DC, 7 mA max input current

**Non Standard Specs:**

7 mA max input current

\*\*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)

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Authorized By:

Engineering Specifications Authorized By:  
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