



**Pletronics, Inc.**

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Manufacturer of High Quality Frequency Control Products

## Specification For Part Number

**SM55T003-44.0M-G&W**

Standard Part\*  Special Part\*\*

### Description:

Ceramic 3 x 5 mm (4 pad), surface mount clock oscillator for DOVE/SYMBOL

### Specifications:

Frequency = 44.0 MHz

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 +/- 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 15 pF load

$T_r$  and  $T_f$  = 4 nS maximum with 15 pF load

Design credits for Gordon & Wallach

### Sealed Crystal:

Yes

### Special Mechanical Requirements:

3RD OVERTONE CRYSTAL USED

### Special Tests:

+/-20 PPM ALL INCLUSIVE OVER -30+70 DC, 2.8 VOLTS +/-5%

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

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Authorized By:

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