

Overall stability ± 100ppm **Power Supply**

Very low jitter 40 to 160MHz

SMD Ceramic Clock-Oscillator

FREQUENCY STABILITY

OVER:

OPERATING TEMP. RANGE: See note 1 **OVERALL STABILITY:** < ±100ppm *

INCLUDING:

OVER OPERATING TEMPERATURE RANGE

ADJUSTMENT @ 25℃

LONG TERM AGING (10 YEARS)

STABILITY OVER SUPPLY VOLTAGE ±5% STABILITY OVER LOAD (MIN. TO MAX.)

POWER SUPPLY

Vdd = 3.3V ±5% * SUPPLY VOLTAGE: **INPUT CURRENT:** < 30mA*

OUTPUT

OUTPUT SIGNAL: AC-MOS compatible * SYMMETRY: 40 / 60% (min.) @ Vdd / 2* **RISE & FALL TIME:** tr < 3ns tf < 3ns * LEVEL "0" & "1": < 0.4V > Vdd - 0.5V

START-UP TIME: < 5ms FAN OUT (LOAD): 10 TTL / LS * JITTER: < 1ps

ENVIRONMENT

OPERABLE TEMP. RANGE: -55 to +125 ℃ STORAGE TEMP. RANGE: -65 to +125 ℃ VIBRATIONS: 10 to 2000Hz / 10a SHOCKS: 5000g, 0.3ms, 1/2 sine PACKAGE: Ceramic

PACKAGE DIMENSIONS: 14.1 x 9.3 x 2.4mm (see packaging info)

Reflow soldering 260 ℃ / 10s max. PROCESSING:

(see packaging info)

MISCELLANEOUS

Customer's specification on request

Note 1: Operating Temperature Range

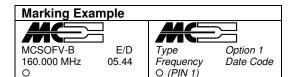
MCSOFV-A: 0 to +70 ℃ MCSOFV-B: -40 to +85 ℃ MCSOFV-C: -55 to +125 ℃

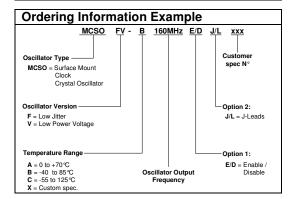
Option 1: Enable / Disable (on request)

See application circuit on page 2 for details	
Pin 1:	Pin 3 (Fout)::
Open	Clock
Н	Clock
L	High Z

Option 2: J / Leads (on request)

With tinned J / Leads pins Height: 3.8mm included J / Leads





STANDARD FREQUENCIES [MHz

Date: June 2003 Revision No.: 3 Revision Date : 11-05

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In accordance with our policy of continuous development and improvement, we reserve the right to modify the design or the specifications of our products without prior notice.

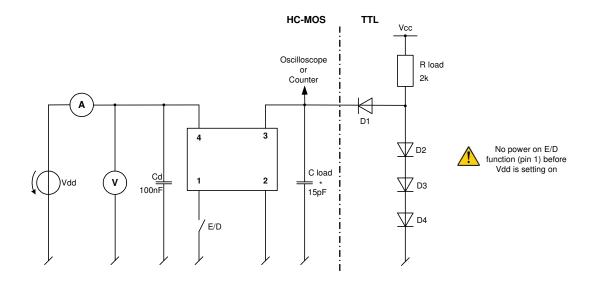
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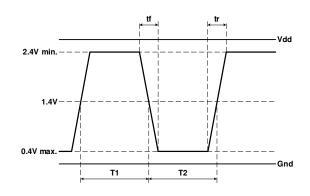
Application and Test Circuit:

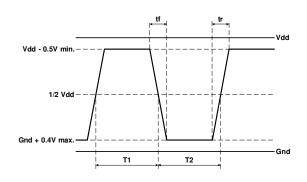


Waveform Output:

Waveshape TTL

Waveshape HC-MOS





$$Duty\ Cycle = 100 \times \frac{T1}{T1 + T2} [\%]$$

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