

CSO1FV Miniature SMD Clock-Oscillator

Overall stability ± 100ppm Power Supply

40 to 160MHz

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

SUPPLY VOLTAGE: $Vdd = 3.3V \pm 10\% *$

INPUT CURRENT: < 30mA*

OUTPUT

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

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 / 10g SHOCKS: 5000g, 0.3ms, 1/2 sine

PACKAGE: Ceramic **PACKAGE DIMENSIONS:** 8.0 x 3.7 x 2.0mm

(see packaging info)

Reflow soldering 260 $^{\circ}$ C / 10s max. PROCESSING:

(see packaging info)

MISCELLANEOUS

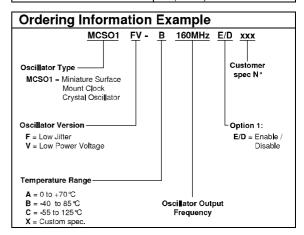
Customer's specification on request

Note 1: Operating Temperature Range

MCSO1FV-A: 0 to +70 ℃ MCSO1FV-B: -40 to +85 ℃ -55 to +125 ℃ MCSO1FV-C:

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	

Marking Example				
Micro Crystal		Micro Crystal		
MCSO1FV-B 160.000 MHz	E/D 09.40	Type Frequency	Option 1 Date Code	
0		0 (PIN 1)	2000 0000	



STANDARD FREQUENCIES [MHz]	

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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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