

**ENGINEERING
CHANGE NOTICE**



ECN#: **12231**

ENGINEERING CHANGE NOTICE FORM

Drawing or Specification Number	From Revision	To Revision	Status	Prepared By	Date
CSC21-018-001	D	E	<input type="checkbox"/> New <input type="checkbox"/> Obsolete <input type="checkbox"/> Change		

DESCRIPTION OF CHANGE (ATTACH ADDITIONAL PAGES IF NECESSARY):

RoHS Compliant (Pb-free) 1.8V 4 Pad 3.2mm x 5mm Ceramic SMD LVCMOS Oscillator
(Generic EC39 Series)

Input Current

Was: 2mA Maximum over Nominal Frequency of 2.5MHz to 10MHz
 3mA Maximum over Nominal Frequency of 10.000001MHz to 25MHz
 4mA Maximum over Nominal Frequency of 25.000001MHz to 40MHz
 8mA Maximum over Nominal Frequency of 40.000001MHz to 50MHz
 10mA Maximum over Nominal Frequency of 50.000001MHz to 70MHz
 18mA Maximum over Nominal Frequency of 70.000001MHz to 90MHz
 25mA Maximum over Nominal Frequency of 90.000001MHz to 106.25MHz

Is: 3mA Maximum over Nominal Frequency of 2.5MHz to 10MHz
 4mA Maximum over Nominal Frequency of 10.000001MHz to 34.999999MHz
 8mA Maximum over Nominal Frequency of 35.000000MHz to 50MHz
 10mA Maximum over Nominal Frequency of 50.000001MHz to 70MHz
 18mA Maximum over Nominal Frequency of 70.000001MHz to 90MHz
 25mA Maximum over Nominal Frequency of 90.000001MHz to 106.25MHz

Output Voltage Logic High (Voh)

Was: 90% of Vdd Minimum (IOH=-2.8mA) over Nominal Frequency of 2.5MHz to 40MHz
 90% of Vdd Minimum (IOH=-8mA) over Nominal Frequency of 40.000001MHz to 106.25MHz
 Is: 90% of Vdd Minimum (IOH=-4mA)

Output Voltage Logic Low (Vol)

Was: 10% of Vdd Maximum (IOL=2.8mA) over Nominal Frequency of 2.5MHz to 40MHz
 10% of Vdd Maximum (IOL=8mA) over Nominal Frequency of 40.000001MHz to 106.25MHz
 Is: 10% of Vdd Maximum (IOH=+4mA)

(continue on next page)

REASON FOR CHANGE:

Updated to reflect our current capabilities.

SPECIAL INSTRUCTIONS:

OTHER DRAWINGS AFFECTED (CMO TO PROVIDE):

QUAL#1662

APPROVAL BLOCK

Engineering	Date	Purchasing	Date
Operations	Date	Quality Assurance	Date
Customer (If Required)	Date		Date

MATERIAL REVIEW BOARD DISPOSITION OF ITEMS

- | | | |
|---|---|---------------------------------|
| <input type="checkbox"/> Not Applicable | <input type="checkbox"/> Use As Compliant | <input type="checkbox"/> Rework |
| <input type="checkbox"/> Use As Is | <input type="checkbox"/> Use With Waiver | <input type="checkbox"/> Scrap |

CONFIGURATION MANAGEMENT SECTION

Released By:	Release Date:	Change Effectivity Date:
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DESCRIPTION OF CHANGE CONTINUED (ATTACH ADDITIONAL PAGES IF NECESSARY):

Load Drive Capability

Was: 15pF HCMOS Load Maximum
Is: 15pF Maximum

Standby Current

Was: 10µA Maximum over Nominal Frequency of 2.5MHz to 40MHz
100µA Maximum over Nominal Frequency of 40.000001MHz to 70MHz
10µA Maximum over Nominal Frequency of 70.000001MHz to 106.25MHz

Is: 10µA Maximum (Disabled Output: High Impedance)

Environmental Specifications

Was:

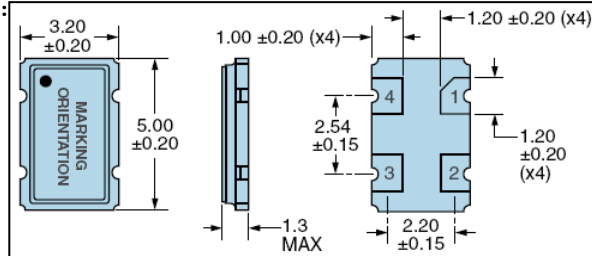
Fine Leak Test	MIL-STD-883, Method 1014, Condition A
Gross Leak Test	MIL-STD-883, Method 1014, Condition C
Mechanical Shock	MIL-STD-202, Method 213, Condition C
Resistance to Soldering Heat	MIL-STD-202, Method 210
Resistance to Solvents	MIL-STD-202, Method 215
Solderability	MIL-STD-883, Method 2003
Temperature Cycling	MIL-STD-883, Method 1010
Vibration	MIL-STD-883, Method 2007, Condition A

Is:

ESD Susceptibility	MIL-STD-883, Method 3015, Class 1, HBM: 1500V
Fine Leak Test	MIL-STD-883, Method 1014, Condition A
Flammability	UL94-V0
Gross Leak Test	MIL-STD-883, Method 1014, Condition C
Mechanical Shock	MIL-STD-883, Method 2002, Condition B
Moisture Resistance	MIL-STD-883, Method 1004
Moisture Sensitivity	J-STD-020, MSL 1
Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition K
Resistance to Solvents	MIL-STD-202, Method 215
Solderability	MIL-STD-883, Method 2003
Temperature Cycling	MIL-STD-883, Method 1010, Condition B
Vibration	MIL-STD-883, Method 2007, Condition A

Mechanical Dimensions

Was:



Is:

