



## Specifications

<b>Package</b>		CHOR
<b>Frequency Range (fo)</b>		0.500MHz ~ 70.00MHz
<b>Logic Family</b>		HCMOS
<b>Freq. Stability (Df/fo)</b>		±100ppm
<b>Aging/Year (fa)</b>		±5ppm
<b>Temp. Range</b>	<b>Operating (TOPR)</b>	0°C ~ +70°C
	<b>Storage (TSTG)</b>	-40°C ~ +100°C

## Electrical

<b>Power Supply</b>	<b>Voltage (VDD)</b>	5.0 ±10%Vdc
	<b>Current (Icc)</b>	10mA Max
<b>Output</b>	<b>Load TTL(N)</b>	15pF
	<b>Voltage (VOL)</b>	10% Vdd
	<b>Voltage (VOH)</b>	90% Vdd
<b>Rise (TR) &amp; Fall (TF) Time</b>		
0.500Mhz ~ 25.00MHz		10nS
25.100MHz ~ 70.00MHz		6nS
<b>Symmetry/Duty</b>		45/55

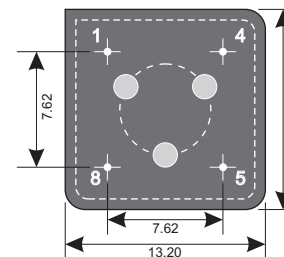
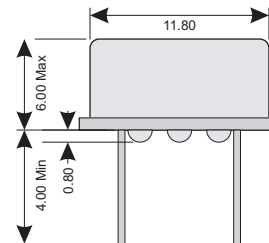
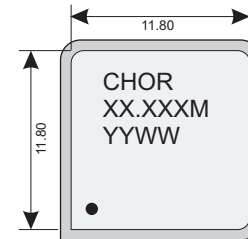
## Tri-State

Tri State (Pin 1)	Default (Pin 5)	U2 Option (Pin 5)
4.5Vdc Min	Enabled Active	Disabled High Z
N/C or Open	Enabled Active	Disabled High Z
0.5Vdc Max	Disabled High Z	Enabled Active
Enable Time	10mS Max	10mS Max
Disable Time	150nS Max	150nS Max

## Absolute Maximum Ratings

<b>Maximum Storage Temp</b>	-55°C to +125°C
<b>Voltage (VDD)</b>	7.0 Vdc
<b>Input Voltage</b>	0.5Vdc ~ Vdd+0.5Vdc

## Dimensions (mm)

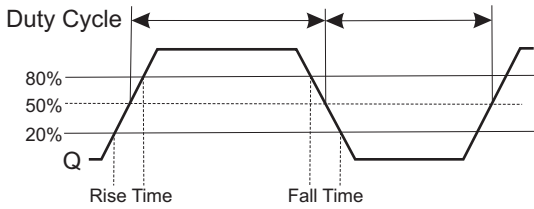


## Connections

<b>Pin 1</b>	Tri-State
<b>Pin 4</b>	Ground
<b>Pin 5</b>	Output
<b>Pin 8</b>	Vdd



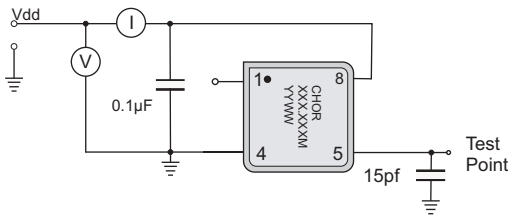
**HCMOS Waveform**



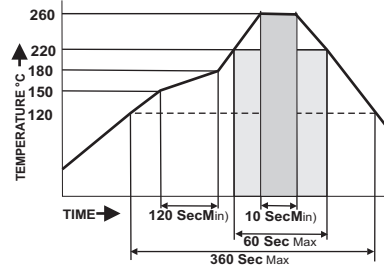
**Environmental And Mechanical**

<b>Temperature</b>	10 Cycles of -30°C (30Mins), Normal (1Hr), 85°C (30Mins), Normal (1Hr)
<b>Shock</b>	Accelerated at 1000G for 1mS in each perpendicular axis.
<b>Vibration</b>	4 Cycles of 20G acceleration at 20 - 2,000Hz within 4 Minutes in each perpendicular axis.
<b>Solder</b>	Peak Temperature of 260°C Max for 10 Seconds with preheat of 160°C for 90±10% for 10 Seconds for a Maximum of 2 Cycles.

**HCMOS Test Circuit**

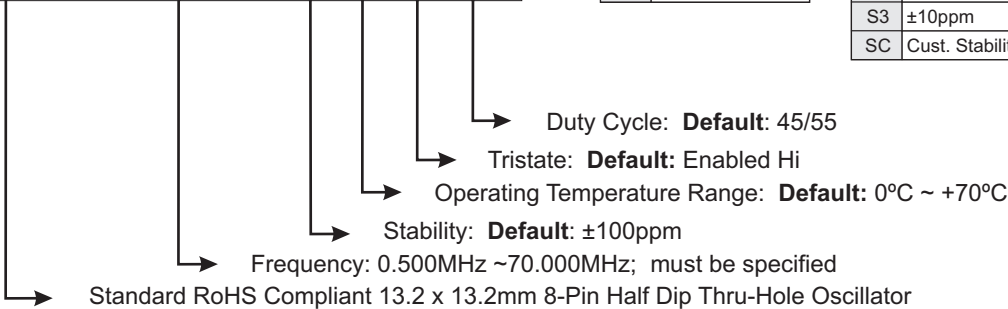


**260°C Reflow Profile**



**Part Number**

**CHOR - XX.XXX M - SX RX UX QX**



**Operating Temp**

R10	-65°C ~ +150°C
RC	Custom Temp.

**Stability**

S1	±50ppm
S2	±25ppm
S3	±10ppm
SC	Cust. Stability

**Duty Cycle**

Q2	47.5/52.5 Duty
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**Tristate**

U2	Lo Enable
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Example: **CHOR-10.000M** 10.000MHz, 5.0V ±100ppm Oscillator operating at 0°C ~ +70°C  
 Example: **CHOR-50.000M-S2R10** 50.000MHz, 5.0V ±25ppm Oscillator operating at -65°C ~ +150°C

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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