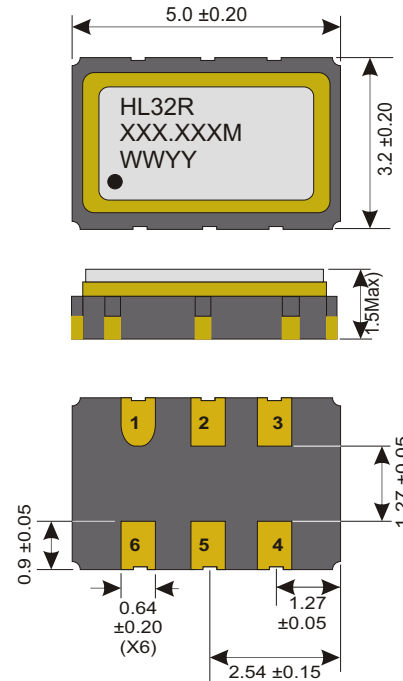




Specifications

Part Number		HL32R
Frequency (fo)		40.000MHz ~ 175.000MHz
Logic Family		HCSL
Freq. Stability (Df/fo)		±20 ppm
Temp. Range	Operating (TOPR)	-10°C ~ +70°C
	Storage (TSTG)	-55°C ~ +125°C
Start Time		3.0mS

Dimensions (mm)



Lead Free



RoHS
RoHS II
Lead
Reach
Compliant



Free Of
DRC
Conflict
Minerals

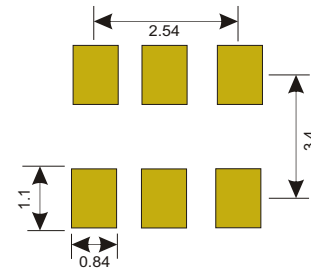
Phase Noise

RMS Phase Jitter (12kHz-20MHz)		0.2pS (Typ) 0.6pS (Max)
Phase Noise	@ 100Hz Offset	-90 dBc/Hz
	@ 1KHz Offset	-120 dBc/Hz
	@ 10KHz Offset	-135 dBc/Hz
	@ 100KHz Offset	-140 dBc/Hz
	@ 1MHz Offset	-145 dBc/Hz
	@ 10MHz Offset	-155 dBc/Hz

Electrical

Power Supply	Voltage (VDD)	3.3 VDC ±5%
	Current (Icc)	30 mA Max
Stand-by current		10uA Max
Output	“H” Output Voltage	740mV Typ; 850mV Max
	“L” Output Voltage	-150mV Min; 0V Typ; +150mV Max
	Output Swing (Vopp)	650mV Min
	Output Load	50 Ω
	Rise & Fall Time	0.5nS Max (20% to 80%)
	Output Symmetry	45/55% @ 50% Level

Land Pattern (mm)



Tri-State

Tri-State	Tri-State (Pin 1)	Output (Pin 4/5)
	Open (N/C)	Active
	0.7Vdd (Min)	Active
	0.3Vdd (Max)	Disable (High Z)
Enable Time		2.0mS Max
Disable Time		200nS Max

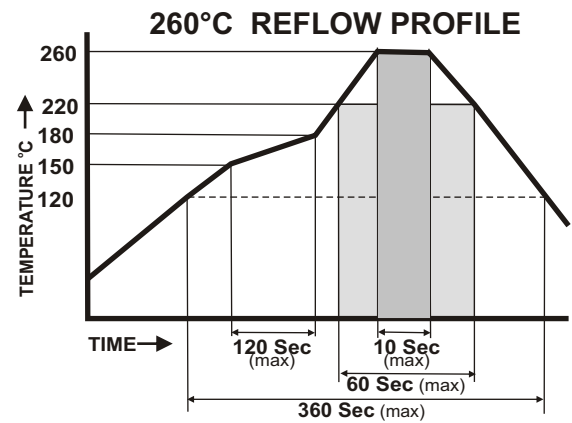
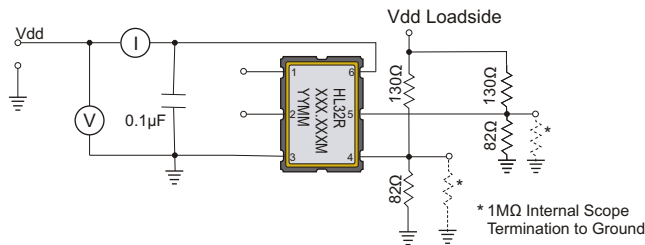
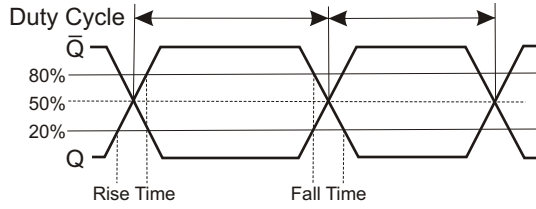
Connections

Pin 1	Enable / Disable
Pin 2	No Connection
Pin 3	Case Grnd
Pin 4	Output
Pin 5	OutputN
Pin 6	Vdd



Environmental And Mechanical

Temperature	10 Cycles of -30°C (30Mins), Normal (1Hr), 85°C (30Mins), Normal (1Hr)
Shock	Accelerated at 1000G for 1mS in each perpendicular axis.
Vibration	4 Cycles of 20G acceleration at 20 - 2,000Hz within 4 Minutes in each perpendicular axis.
Solder	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.



Part Number

HL32R -XXX.XXX M-RX-T

Temp Range

R6 -40~+85°C

- Tape & Reel
- Temperature Range Options **Default: -10°C ~ +70°C**
- Frequency: 40.000MHz ~ 175.000MHz
- Standard RoHS Compliant 5.0 x 3.2mm SMD Clock Oscillator

Example: **HL32R-155.000M-T** is 155.000MHz ±100ppm oscillator operating at -10°C ~ +70°C delivered on Tape & Reel
 Example: **HL32R-155.000M-S2R6-T** is 155.000MHz ±25ppm oscillator operating at -40°C ~ +85°C delivered on Tape & Reel

Tape & Reel

