



PRODUCTS

Clock Oscillator (Through Hole)

Typical Applications:

- Video Decoding
- Wireless Base Station
- VoIP
- Set-top Box

D08 (Through Hole Oscillator Series)

Part Number: D08 (Waveform) (ppm) - Freq - Vcc

Example: D08T25-20.000-3.3V

OSCILLATOR

Specification

D08

| Part No. | Example |
|-----------------------------------|--------------------|
| D08 (waveform) (ppm) - Freq - Vcc | D08T25-20.000-3.3V |

| Specification | | D08 | |
|-----------------------------|------------|---|------------------------------|
| Output Waveform | | TTL / HCMOS Compatible | |
| Frequency Range | | 0.5 to 150.0MHz | |
| Temperature Stability | | ±25 to ±100ppm | |
| Operating Temperature Range | | 0 °C to +70 °C / -40 °C to +85 °C | |
| Storage Temperature Range | | -55 °C to +125 °C | |
| Aging | | ±5ppm/year Max. | |
| Supply Voltage (Vcc) | | +5.0VDC ±10% | +3.3VDC ±10% |
| Supply Current | | 15mA Max (0.5 to 24.0MHz) | 15mA Max (1.0 to 24.0MHz) |
| | | 30mA Max (24.0 to 50.0MHz) | 20mA Max (24.0 to 50.0MHz) |
| | | 40mA Max (50.0 to 70.0MHz) | 30mA Max (50.0 to 70.0MHz) |
| | | 60mA Max (70.0 to 150.0MHz) | 45mA Max (70.0 to 150.0MHz) |
| Symmetry | | 40/60% or 45/55% | |
| Output Load | TTL Load | 1~10 TTL | 1~5 TTL |
| | HCMOS Load | ~50.0M: 50pF / ~70.0M: 30pF / ~150.0M: 15pF | ~50.0M :30pF / ~150.0M :15pF |
| Rise and Fall Time | | 10/10nS Max | 8/8nS Max |
| Output Voltage | VOL | 10% Vcc Max | |
| | VOH | 90% Vcc Min | |
| Tristate Option | Enable | Pin 1 = Hi or Open , Pin 5 active | |
| | Disable | Pin 1 = Lo , Pin 5 High Z | |



Dimension

(Unit:mm)

