



PRODUCTS

Clock Oscillator (Through Hole)

Typical Applications:

- Video Decoding
- VoIP
- Wireless Base Station
- 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 -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)

