

TRUE TTL OSCILLATOR

14 Pin DIP *ET11* Series 5.0V_{DC}



PART NUMBERING GUIDE

ET11 00 ET T - 64.000M - G

FREQUENCY TOLERANCE / STABILITY

00=±100ppm Maximum (Standard)
45=±50ppm Maximum
25=±25ppm Maximum

AVAILABLE OPTIONS

Blank=None (Standard)
CLXXX=Custom Lead Length (pg. F1)
G=Full Size Gull Wing (pg. F2)

FREQUENCY

OPERATING TEMP. RANGE

Blank=0°C to 70°C (Standard)
ET=-40°C to 85°C

DUTY CYCLE

Blank=50 ±10% (Standard)
T=50 ±5%

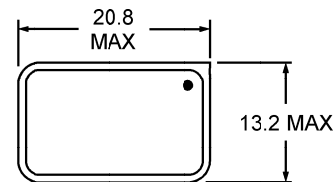
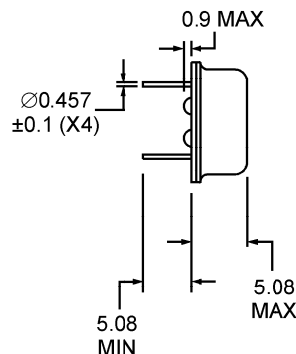
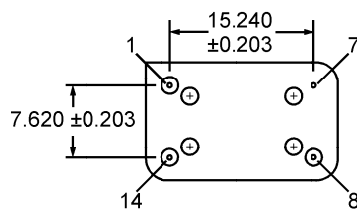
ELECTRICAL SPECIFICATIONS

Marking Specifications See pg. G2, Group F

Frequency Range	4.000MHz to 70.000MHz	
Operating Temperature Range	0°C to 70°C or -40°C to 85°C	
Storage Temperature Range	-55°C to 125°C	
Supply Voltage (V _{DD})	5.0V _{DC} ±10%	
Input Current	70mA Maximum	
Frequency Tolerance / Stability	Inclusive of Operating Temperature Range, Supply Voltage, and Load	±100ppm, ±50ppm, or ±25ppm Maximum (0°C to 70° Only)
Output Voltage Logic High (V _{OH})	2.4V _{DC} Minimum	
Output Voltage Logic Low (V _{OL})	0.4V _{DC} Maximum	
Rise Time / Fall Time	4.000MHz (0.4V _{DC} to 2.4V _{DC})	15 nSeconds Maximum
	4.001MHz to 25.000MHz (0.4V _{DC} to 2.4V _{DC})	10 nSeconds Maximum
	25.001MHz to 70.000MHz (0.4V _{DC} to 2.4V _{DC})	6 nSeconds Maximum
Duty Cycle	at 1.4V _{DC}	50 ±10% (Std.) or 50 ±5% (Optional)
Load Drive Capability	4.000MHz to 25.000MHz	10TTL Load Maximum
	25.001MHz to 70.000MHz	5TTL Load Maximum
Aging (at 25°C)	±5ppm / year Maximum	
Absolute Clock Jitter	±100pSeconds Maximum	
One Sigma Clock Period Jitter	±25pSeconds Maximum	

MECHANICAL DIMENSIONS

Environmental / Mechanical Specifications See pg. H1, Group C



Pin 1: No Connect
Pin 7: Case Ground
Pin 8: Output
Pin 14: Supply Voltage

Dimensions in mm

E 5

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Specifications subject to change without notice. • Contact factory for latest revision • 1/99 • (OS06)