

ECL OSCILLATORS

OEN/OEP SERIES

14 PIN ECL CLOCK OSCILLATORS

APPLICATIONS: VIDEO, HIGH SPEED LOGIC

Typical Electrical Characteristics

Frequency Range : 30.0 MHz to 250.0 MHz

Supply Voltage : OEN = -5.2V
OEP = 5.0V

Output Symmetry : 40% Min- 60% Max

Rise Time (T_R)

and Fall Time (T_F) : 2 nS Max / 20% ~80%

Current Consumption : 50 mA Max

Output Load : 50 ohms

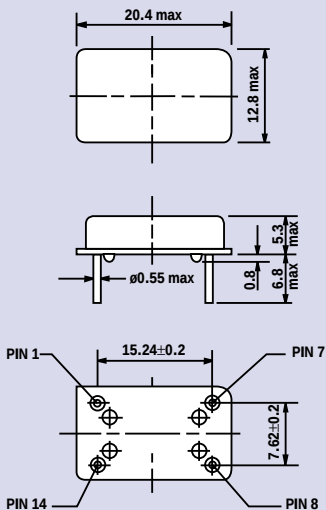
Frequency Tolerance

A = ±10 ppm
B = ±25 ppm
C = ±50 ppm
D = ±100 ppm
S = SPECIAL

Operating Temp Range

A. 0°C to 70°C
B. -20°C to 70°C
C. -30°C to 80°C
D. -40°C to 85°C
E. -55°C to 105°C
S. SPECIAL

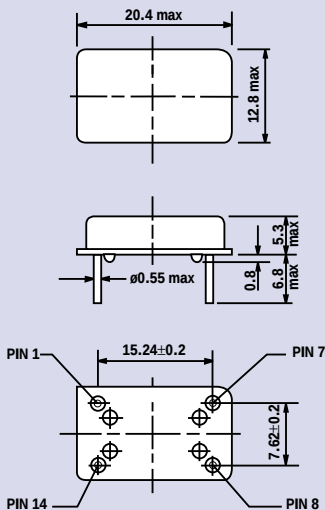
Package # OEN (ECL Negative Voltage)



PIN	CONNECTION
1	N.C.
7	VEE
8	OUTPUT
14	GRD

PIN	CONNECTION
1	COMP. OUT.
7	VEE
8	OUTPUT
14	GRD

Package # OEP (ECL Positive Voltage)



PIN	CONNECTION
1	N.C.
7	GND
8	OUTPUT
14	Vcc

PIN	CONNECTION
1	COMP. OUT.
7	GND
8	OUTPUT
14	Vcc

SMD ECL CLOCK OSCILLATORS

APPLICATIONS: VIDEO, HIGH SPEED LOGIC

Typical Electrical Characteristics

Frequency Range : 30.0 MHz to 250.0 MHz

Supply Voltage : OESN = -5.2V

OESP = 5.0V

Output Symmetry : 40% Min- 60% Max

Rise Time (T_R)

and Fall Time (T_F) : 2 nS Max / 20% ~80%

Current Consumption : 60 mA Max

Output Load : 50 ohms

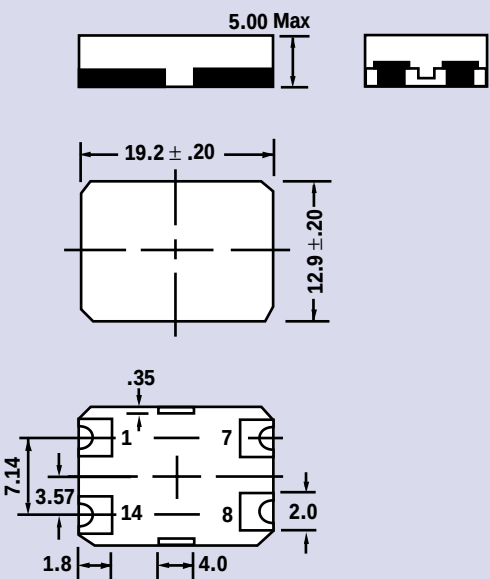
Frequency Tolerance

- A = N/A
- B = ± 25 ppm
- C = ± 50 ppm
- D = ± 100 ppm
- S = SPECIAL

Operating Temp Range

- A. 0°C to 70°C
- B. -20°C to 70°C
- C. -30°C to 80°C
- D. -40°C to 85°C
- E. N/A
- S. SPECIAL

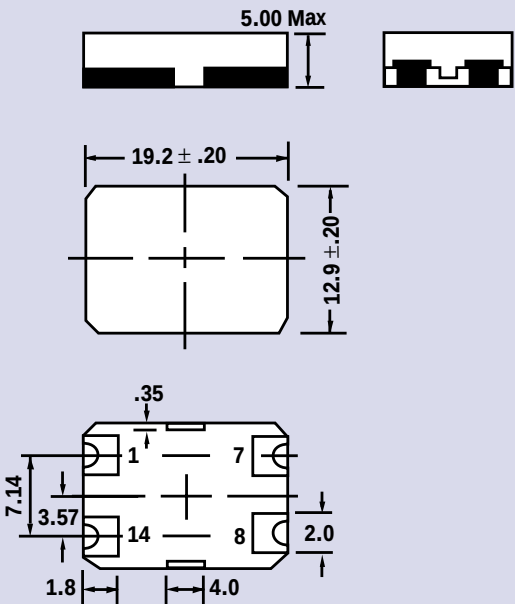
Package # OESN (ECL Negative Voltage)



PIN	CONNECTION
1	N.C.
7	VEE
8	OUTPUT
14	GRD

PIN	CONNECTION
1	COMP. OUT.
7	VEE
8	OUTPUT
14	GRD

Package # OESP (ECL Positive Voltage)



PIN	CONNECTION
1	N.C.
7	GND
8	OUTPUT
14	Vcc

PIN	CONNECTION
1	COMP. OUT.
7	GND
8	OUTPUT
14	Vcc