

14 PIN CLOCK OSCILLATORS

APPLICATIONS: These standard clocks are used in Computer, Lan and Telecom applications. 014/017 Series is offered with 5.0 Volt and 3.3 Volt supply. Tri-State Enable/ Disable function are standard.

Typical Electrical Characteristics

Frequency Range : 1.0 MHz to 125.0 MHz

Supply Voltage : 5.0V $\pm$ 10%, 3.3V $\pm$ 10%

Output Symmetry : 40% Min- 60% Max,
45% Min- 55% Max

Rise Time (T_R) : .5V to 4.5V / 5nS

Fall Time (T_F) : 4.5V to .5V / 5nS

Current Consumption :

1.000-25.0000 MHz 25 mA typical

25.00-50.0000 MHz 35 mA typical

50.00-80.0000 MHz 50 mA typical

80.00-125.000 MHz 60 mA typical

Frequency Tolerance

A = $\pm$ 10 ppm

B = $\pm$ 25 ppm

C = $\pm$ 50 ppm

D = $\pm$ 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

Height Options:

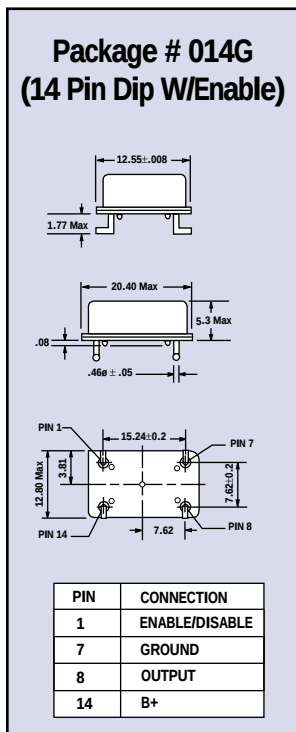
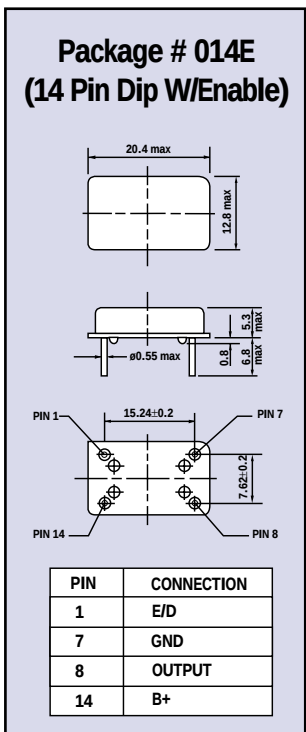
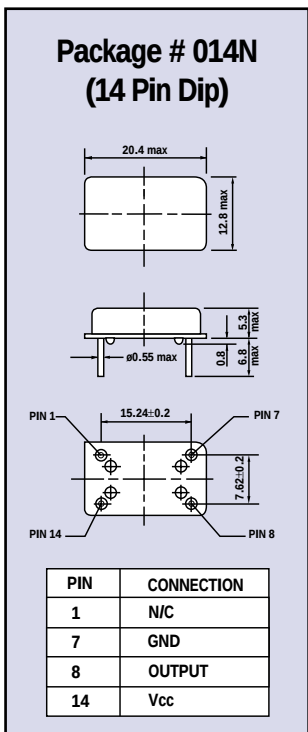
017 = 7.24 mm

014 = 5.30 mm

014G = Gull Wing

Surface Mount

Options: 014E= Enable Pin 1
014T= TriState Enable Pin1
014N= No Connect Pin1



8 PIN CLOCK OSCILLATORS

APPLICATIONS: These 008 Series clock oscillators are offered with standard clock frequencies as well as HF or high frequencies up to 125.000 MHz. Telecom, computer and chipsets are typical applications.

Typical Electrical Characteristics

Frequency Range : 1.544 MHz to 125.0 MHz

Supply Voltage : 5.0V $\pm$ 10%, 3.3V $\pm$ 10%

Output Symmetry : 40% Min- 60% Max,
45% Min- 55% Max

Rise Time (T_R) : .5V to 4.5V / 5nS

Fall Time (T_F) : 4.5V to .5V / 5nS

Current Consumption :

1.544-25.0000 MHz 25 mA typical

25.00-50.0000 MHz 35 mA typical

50.00-80.0000 MHz 50 mA typical

80.00-125.000 MHz 65 mA typical

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

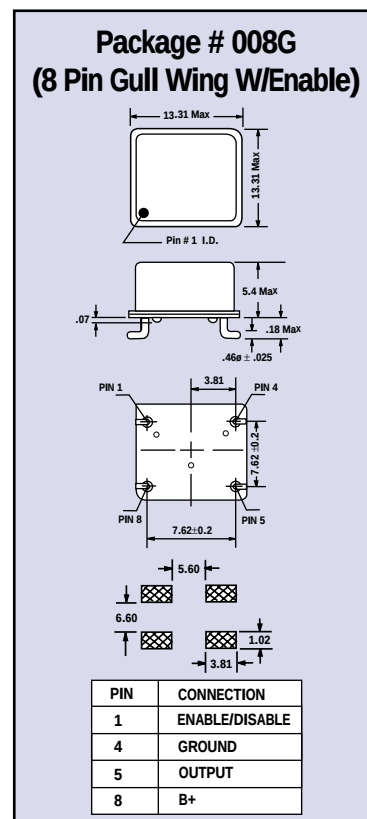
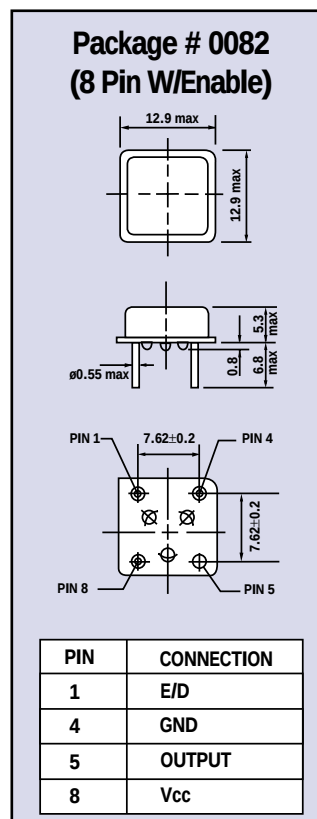
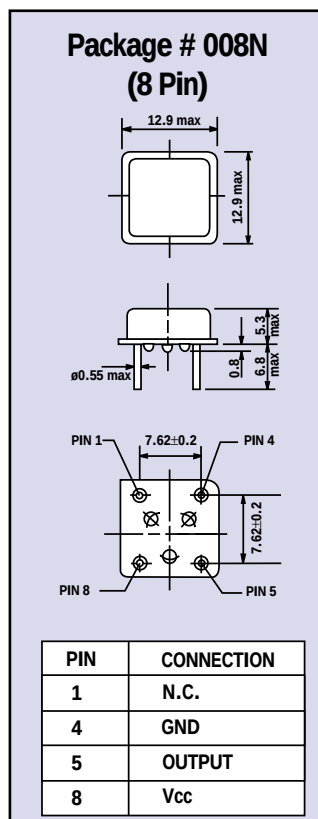
D. -40°C to 85°C

E. -55°C to 105°C

S. SPECIAL

Options: 0082= Enable Pin 1
008T= TriState Enable Pin1
008N= No Connect Pin1
008G=Gull Wing SMD

Output Load: TTL, HCMOS (15pf to 50 pf)



SURFACE MOUNT PLASTIC OSCILLATORS

APPLICATIONS: The OP9 Series is a low cost surface mount oscillator used in standard requirements. This oscillator provides an SMD option for the Telecom, Computer and Communications industries.

Typical Electrical Characteristics

Frequency Range : 1.544 MHz to 100.0 MHz

Supply Voltage : 5.0V $\pm$ 10%

Output Symmetry : 40% Min- 60% Max,
45% Min- 55% Max

Rise Time (T_R) : 1.0V to 4.0V / 5nS,
.4V to 2.5V / 5nS

Fall Time (T_F) : 4.0V to 1.0V / 5nS,
2.4V to .4V / 5nS

Current Consumption : 35 mA typical
(Frequency Dependent)

Frequency Tolerance

A = NA
B = $\pm$ 25 ppm
C = $\pm$ 50 ppm
D = $\pm$ 100 ppm
S = SPECIAL

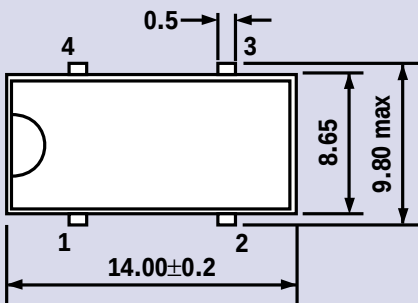
Operating Temp Range

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

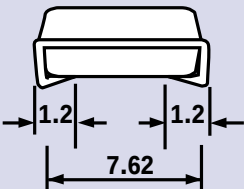
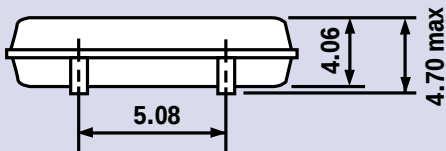
Output Load:
TTL, HCMOS (15pF to 50pF load)

Options:
OP9E= Enable
OP9T= TriState Enable
OP9N= No Connect

Package # OP9N
(Plastic SMD Oscillator)



#1	N.C.
#2	GND
#3	OUTPUT
#4	Vcc



5 x 7 CERAMIC CLOCK OSCILLATORS

APPLICATIONS: This oscillator provides flexibility to designers by providing a mechanical solution to space constraints. PDI provides this product for all clock requirements: Telecom, Instrumentation and Personal Computers.

Typical Electrical Characteristics

Frequency Range : 1.544 MHz to 125.0 MHz

Supply Voltage : 5.0V $\pm$ 10%, 3.3V $\pm$ 10%

Output Symmetry : 40% Min- 60% Max,
45% Min- 55% Max

Rise Time (T_R) : .5V to 4.5V / 5nS

Fall Time (T_F) : 4.5V to .5V / 5nS

Current Consumption :

1.544-25.0000 MHz 25 mA typical

25.00-50.0000 MHz 35 mA typical

50.00-80.0000 MHz 50 mA typical

80.00-125.000 MHz 65 mA typical

Output Load:

TTL, HCMOS (15pF to 50 pF load)

Options:

OC7E= Enable

OC7T= Tristate

OC7N= NC

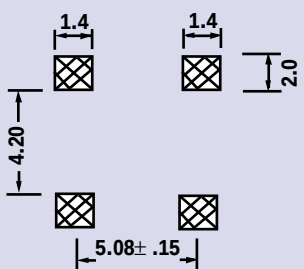
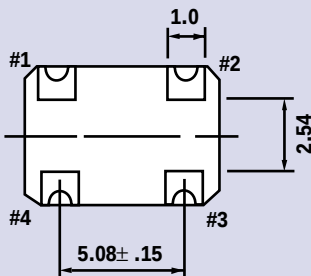
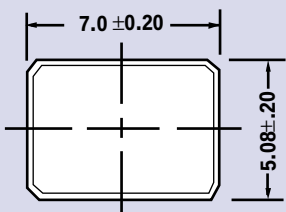
Frequency Tolerance

A = NA
B = $\pm$ 25 ppm
C = $\pm$ 50 ppm
D = $\pm$ 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 # OC7 (Ceramic SMD Oscillator)



OC7E

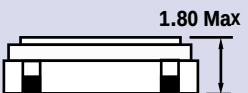
PIN	CONNECTION
1	E/D
2	GND
3	OUTPUT
4	VCC

OC7T

PIN	CONNECTION
1	TRI-STATE
2	GND
3	OUTPUT
4	VCC

OC7N

PIN	CONNECTION
1	N.C.
2	GND
3	OUTPUT
4	VCC



3.5 X 6.0 CERAMIC OSCILLATORS

APPLICATIONS: This new miniaturized oscillator continues to produce superior performance with small size. These parts are used in all clock applications, including Communications, Telecom, Medical, Personal Computers, and Disc Drives.

Typical Electrical Characteristics

Frequency Range : 1.544 MHz to 80.0 MHz

Supply Voltage : 5.0V $\pm$ 10%, 3.3V $\pm$ 10%

Output Symmetry : 40% Min- 60% Max,
45% Min- 55% Max

Rise Time (T_R) : .5V to 4.5V / 5nS

Fall Time (T_F) : 4.5V to .5V / 5nS

Current Consumption :

1.544-25.0000 MHz 25 mA typical

25.00-50.0000 MHz 35 mA typical

50.00-80.0000 MHz 50 mA typical

Output Load:

TTL, HCMOS (15pF to 50pF load)

Options:

OCME= Enable

OCMT= TriState Enable

OCMN= No Connect

Frequency Tolerance

A = NA

B = $\pm$ 25 ppm

C = $\pm$ 50 ppm

D = $\pm$ 100 ppm

S = SPECIAL

Operating Temp Range

A. 0°C to 70°C

B. -20°C to 70°C

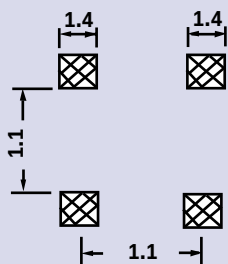
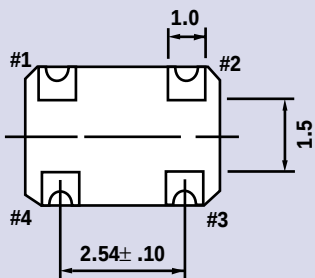
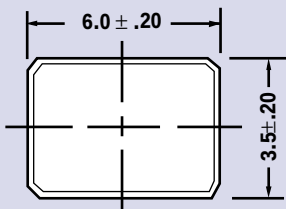
C. -30°C to 80°C

D. -40°C to 85°C

E. -55°C to 105°C

S. SPECIAL

Package # OCM (Ceramic SMD Oscillator)



OCME

PIN	CONNECTION
1	ED
2	GND
3	OUTPUT
4	VCC

OCMT

PIN	CONNECTION
1	TRI-STATE
2	GND
3	OUTPUT
4	VCC

OCMN

PIN	CONNECTION
1	N.C.
2	GND
3	OUTPUT
4	VCC

