

CRYSTAL CLOCK OSCILLATORS



20 X 12.6 X 7.2mm

ACPEL



RoHS
Compliant

FEATURES:

- Low jitter PECL logic
- Tight overall frequency stability
- Fast rise and fall times
- Complementary output
- Wide frequency range.

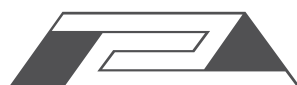
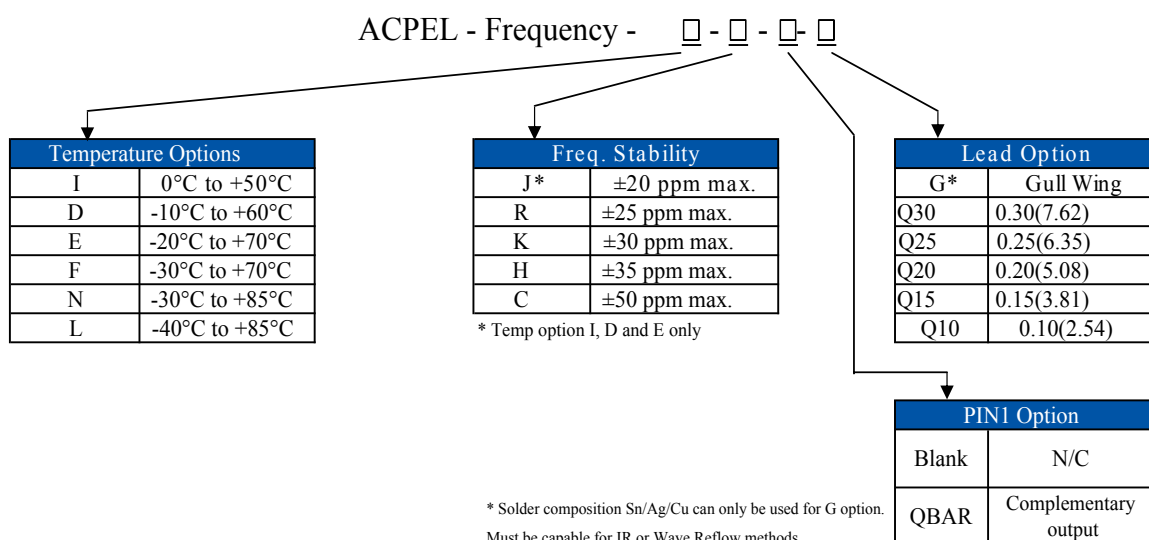
APPLICATIONS:

- Gigabit ethernet
- Data telecommunications and networking
- xDSL, Stratum IV
- SONET/SDH

STANDARD SPECIFICATIONS:

| PARAMETERS | |
|------------------------------|------------------------------|
| ABRACON P/N | ACPEL Series |
| Frequency | 0.75 MHz - 800 MHz |
| Operating Temperature | 0°C to +70°C (see options) |
| Storage Temperature | -55°C to +125°C |
| Frequency Stability | ± 100 ppm max. (see options) |
| Supply Voltage (Vdd) | 3.3Vdc ±5% |
| Supply Current | 60 mA max. @100MHz |
| Symmetry | 40/60% max. |
| Rise and Fall Times (Tr/ Tf) | 1 ns max. @ 20~80%Vpp |
| Output Type | PECL square wave |
| Output Load | 50Ω @Vcc -2Vdc |
| Aging | ± 3.0ppm max./ year |

OPTIONS AND PART IDENTIFICATION:



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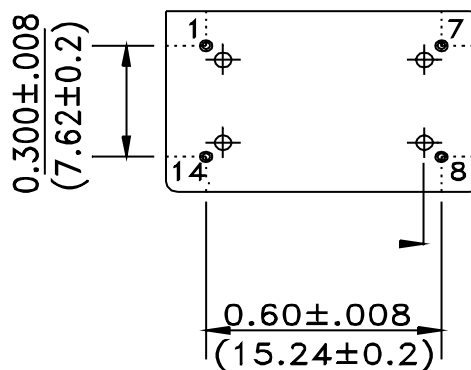
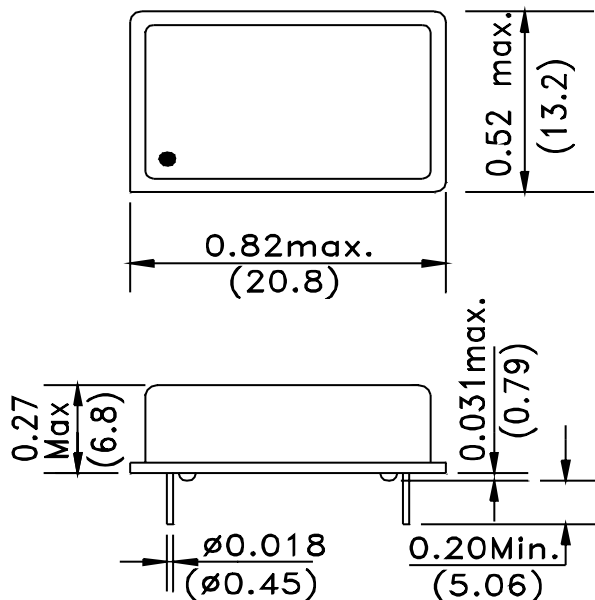


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OUTLINE DRAWING:



| PIN | FUNCTION |
|-----|-------------------|
| 1 | NC or Comp output |
| 7 | GND |
| 8 | Output |
| 14 | Vcc |

Note: Recommend using an approximately 0.01uF bypass capacitor between Pin 7 and 14.

Dimensions: inch (mm)

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ABRACON IS
ISO9001:2008
CERTIFIED



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