

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.

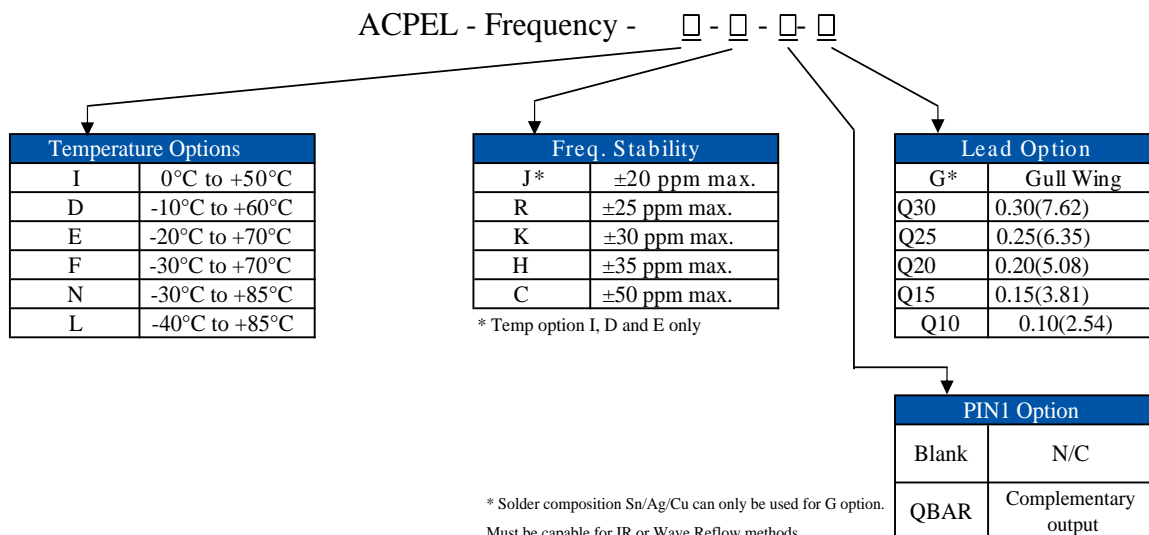
APPLICATIONS:

- 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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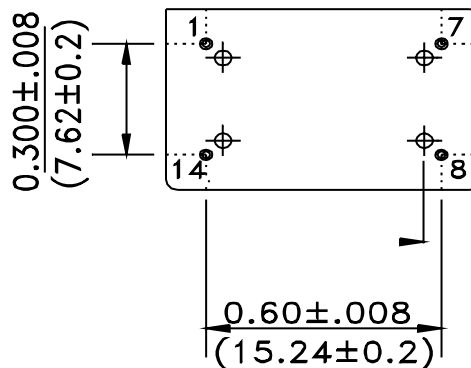
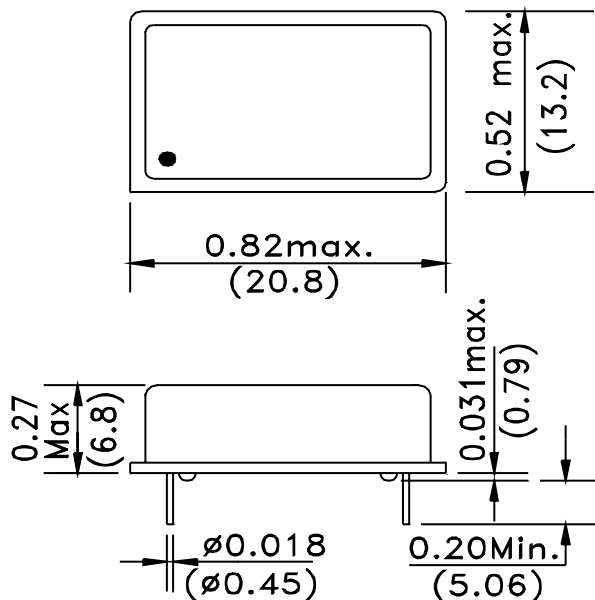


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OUTLINE DRAWING:



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)