

# ECL Series FULL SIZE

**DESCRIPTION**

ECL (**E**mitter **C**oupled **L**ogic) clock oscillators provide MECL 10K and 10HH compatible signals for applications such as high speed computing, graphic workstations, digital communications and A/D conversion.

**FEATURES**

- ! 10K or 10Kh output compatible, +5.2V or -5.2V supply voltage
- ! Low output impedance
- ! Excellent noise margins
- ! Full size metal package

**SPECIFICATIONS**

Frequency Range	20MHz to 140MHz
Frequency Stability	±100PPM, ±50PPM, ±25PPM
Operating Temperature Range	0EC to 70EC or -40EC to 85EC
Storage Temperature Range	-55EC to 125EC
Input Voltage	+ or -5.2V ± 0.5V
Input Current	140mA Max.
Output Symmetry	40 / 60% @ 1.4V Level
Output Rise / Fall Time	<40Sec measured between 20 to 80% voltage level
"0" / "1" Levels	-1.6V Max. / -1.0V Min.
Output Load	Typical 50 Ohms to -2.0V DC

**ECL Full Size Pin Configurations**

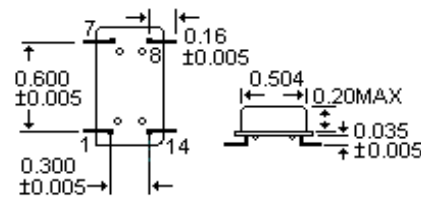
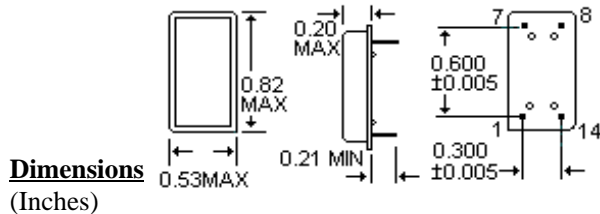
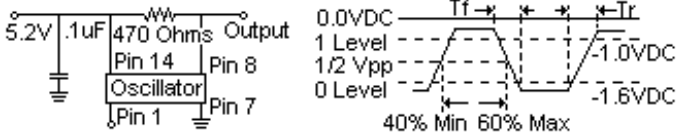
PIN	AA	AM	AE
1	Case GND	NC	Enable /Disable
7	-5.2V	Case GND	-5.2V
8	Output	Output	Output
14	GND	-5.2V	Case GND

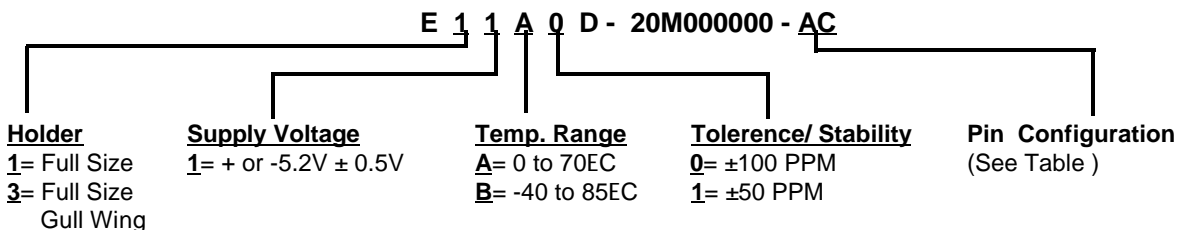
PIN	AB	AC	AAC
1	NC	NC	Comp Output
7	-5.2V	Case GND	-5.2V
8	Output	Output	Output
14	Case GND	+5.2V	Case GND

PIN	ACE	AMC	ACC
1	Enable/ Disable	Comp Output	Comp Output
7	Case GND	Case GND	Case GND
8	Output	Output	Output
14	+5.2V	-5.2V	+5.2V



**ECL Part Number Break Down**



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