

LM700 Series

Half Size ECL Crystal Clock Oscillator

- ECL or PECL Output
- 8 pin DIP Compatible
- Hermetically Sealed, resistance welded for High Reliability
- Complimentary Outputs
- Optional Internal Terminations
- User Specified Frequency Stability

ELECTRICAL SPECIFICATIONS

Frequency Range	9MHz ~ 160MHz		
Frequency Stability	±25ppm	±50ppm	±100ppm
Operating Temperature Range	0°C to 70°C or -40°C to 85°C		
Storage Temperature Range	-55 ~ +125°C		
Input Voltage	$V_{EE} = -5.2V_{DC} \pm 5\%$ $V_{CC} = +5.2V_{DC} \pm 5\%$		
Input Current	140mA Max		
Symmetry	50±20% -1.3V _{DC} Level		50±20% +3.9V _{DC} Level
Rise Time / Fall Time	3nSeconds Max 20 to 80% V _{EE}		
Output Load	50 ohms to -2V (output must be loaded)		

PART NUMBERING GUIDE

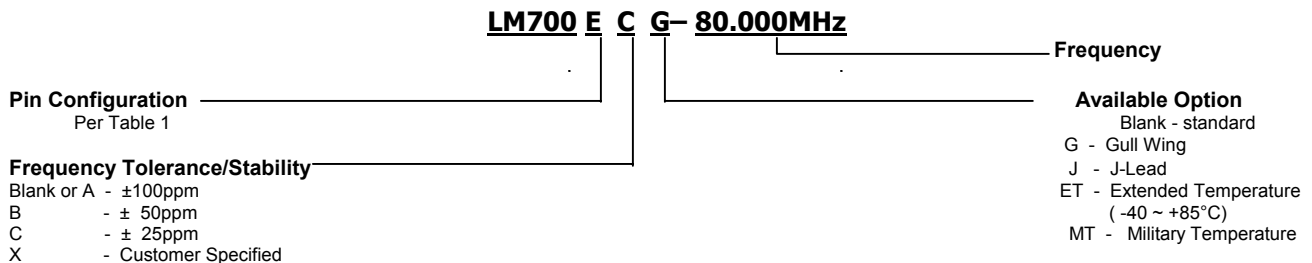
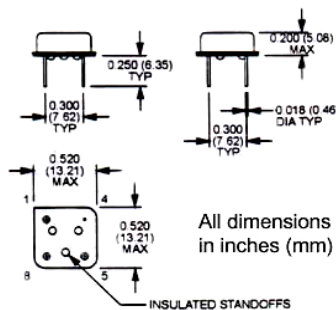


Table 1. PIN CONFIGURATIONS

PIN	A	B	C	D	E	F	G
1	NC	NC	NC	ECL Comp. Out	ECL Comp. Out	ECL Comp. Out	Case Gnd NC
4	V _{EE} Case Gnd	V _{CC} Case Gnd	V _{EE}	V _{EE}	V _{EE} Case Gnd	V _{CC} Case Gnd	V _{EE}
5	ECL Output	ECL Output	ECL Output	ECL Output	ECL Output	ECL Output	ECL Output
8	V _{CC}	V _{EE}	V _{CC} Case Gnd	V _{CC} Case Gnd	V _{CC}	V _{EE}	V _{CC}

PACKAGE DIMENSIONS



General Electronic Devices

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