

XE41 - L00 SERIES (HC/ACMOS/LVTTL), 3.3 VDC

High Reliability Hybrid Microcircuit Crystal Oscillators Surface Mount, Formed Leads

(Similar to M55310/38)



Frequency Range

Frequency Accuracy at + 25 °C

Frequency Stability Vs. Temperature

Operating Temperature Range

See Options Below

Input Voltage + 3.3 VDC ± 10%

Ruggedized 4 point crystal mount

• High Shock & Vibration

• Low Profile Surface Mount

• Tristate Output Available

Input Current at +3.30 VDC (No Load) 450 KHz to 8.0 MHz 3 mA Max. 8.1 MHz 16.0 MHz 6 mA Max. to 16.1 MHz 32.0 MHz 10 mA Max. to 32.1 MHz 60.0 MHz 20 mA Max. to 60.1 MHz to 100.0 MHz 35 mA Max. 100.1 MHz to 165.0 MHz 60 mA Max.

Output HC/ACMOS/LVTTL Load 10 K Ω // 15 pf or 6 to 10 TTL

Output Symmetry: (at 50% Output Level)

< 40 MHz 55/45% Max ≥ 40 MHz 60/40% Max.

Rise & Fall Times (10% to 90% Level)

< 40 MHz 6 nS Max. ≥ 40 MHz 3 nS Max.

Enable/Disable See Options Below

Start-Up Time 5 mS Max.

Phase Jitter (10 KHz to 20 MHz Integrated) 0.15 pS rms Typical

Frequency Stability Vs. 10% change in Voltage \pm 4 PPM Max.

Aging at +70 °C ± 3 PPM Max. first year, ± 2 PPM Max./ Yr. thereafter

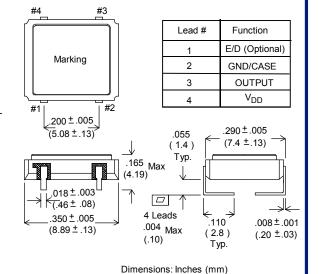
Package, Seal & Weight Ceramic 90% AL₂ O₃, Hermetic - Resistance Welded, 0.5 Gms typical Lead Material & Finish Kovar, 50 to 80 Microinches gold over 100 to 250 microinches Nickel,

Hot Solder Tinning per MIIL-PRF-55310 is optional at additional cost.

Solder Reflow, Temp./Time 260 °C Max for 10 Seconds Max.

Package Thermal Resistance (θ_{JC}) $\,$ 50 ^{o}C / Watt

Contact Xsis Engineering for any other special requirements.



ORDERING INFORMATION (Select from options below):

