

Low Profile Hybrid Clock Oscillators

PTI has developed a series of hybrid clock oscillators with very low profiles. The oscillators are available in surface mounted packages as well as standard 4 and 14 pin dual in-line packages. The oscillators are available from 500 Hz to 70 MHz with HCMOS output. TTL and ECL versions are also available. PTI employs three separate design schemes to accommodate the extensive range of frequencies. A divider network is utilized for frequencies less than 8 MHz; the fundamental resonance of the crystal is utilized for 8 MHz to 24 MHz; and the higher frequencies are attained by using overtone frequencies. An input current of less than 20 mA is achieved for frequencies less than 24 MHz and less than 60 mA for 24 MHz to 70 MHz. Optional frequency accuracy, stability and screening levels can be selected depending on the application. Radiation hardening is also available. To order any of these parts from PTI, simply give the PTI sales engineer the model number, desired option codes from the charts below and frequency in the following configuration.



- Screening to Level B per MIL-0-55310/18
- R 10.0 MHz
- Radiation hardened Operating frequency 10.0 MHz



OSCILLATORS

12 PIN FLATPACK



14 PIN DIL



See optional pin functions on page 70.

4 PIN DIL



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