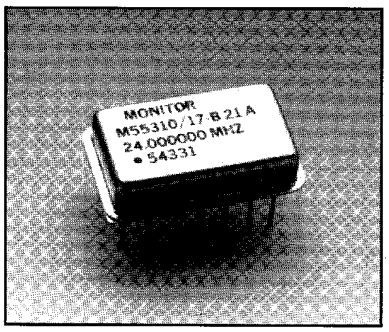
CRYSTAL OSCILLATORS

The most popular crystal oscillators produced today are the low profile and rugged hybrid units such as Monitor's 6600 and 5600 series units. Low assembly cost and the standard dip lead configuration help make these units the preferred choice for both military and commercial applications. Full military screen testing to MIL-0-55310 is available on the 5600 series units. Monitor has many custom oscillator designs such as the 4044, 4095 and 3918 series units. Specific customer requirements are matched with each individual design to assure compatibility in the product. Ovenized oscillators are offered when the stability requirements become too tight for uncontrolled crystal oscillator or TCXO designs.



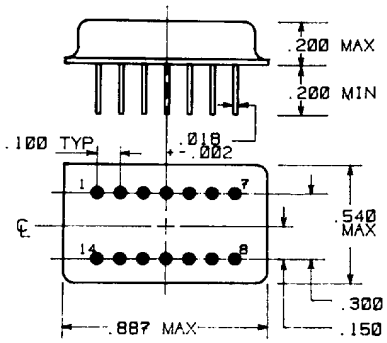
5600/6600

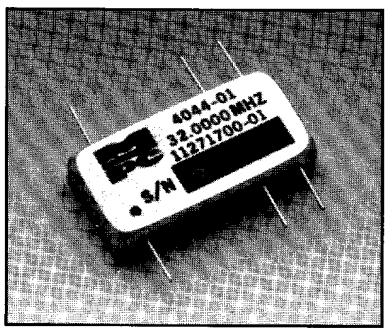
5600

Frequency Range: 0.1MHz - 100MHz
Frequency Stability: ±50 ppm/±100ppm
Operating Temperature Range: -55°C to +125°C
Input Voltage: 5VDC
Input Current: 60mA max
Output Waveform: TTL Comp.
Features: MIL-0-55310

6600

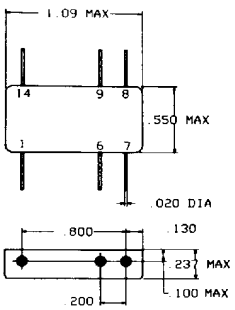
10mA max
HCMOS Comp.
MIL-0-55310

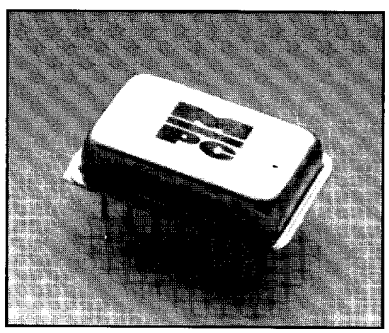




4044

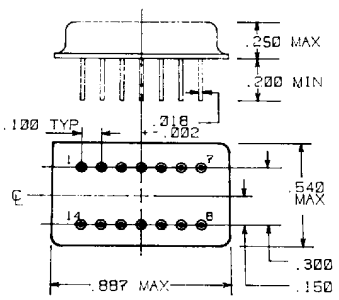
Frequency Range: 5MHz - 80MHz
Frequency Stability: ±100ppm
Operating Temperature Range: -55°C to +125°C
Input Voltage: 5VDC
Input Current: 65mA max
Output Waveform: TTL Compatible
Features: Surface Mount, External gate control





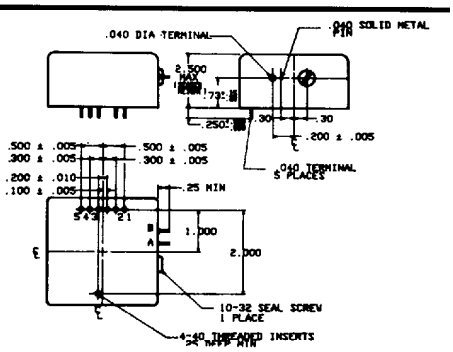
4095

Frequency Range: 2MHz - 24MHz
Frequency Stability: ±100ppm
Operating Temperature Range: −55°C to +105°C
Input Voltage: 12VDC
Input Current: 20mA max
Output Waveform: CMOS Compatible
Features: External Reset/Set Capability



3918

Frequency Range: 1MHz - 10MHz
Frequency Stability: ±0.1ppm
Operating Temperature Range: 0°C to +55°C
Input Voltage: 28VDC/15VDC
Input Current: 125mA/10mA
Output Waveform: TTL Compatible
Features: Low profile Oven Controlled Oscillator



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