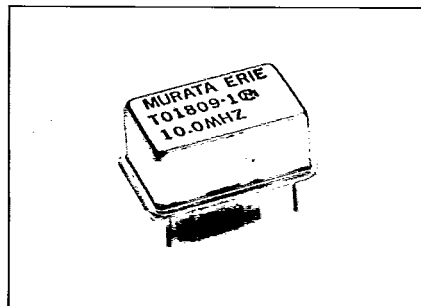


HYBRID TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (TCXO's)

4 PIN DIP, TTL, 5.0MHz to 25.0MHz TO1809 SERIES



PIN CONNECTIONS:

- Pin 1 : variable capacitor (stator)
Pin 7 : case & circuit GND & variable capacitor (rotor)
Pin 8 : output
Pin 14 : V_{CC} , +5VDC

Note: Center frequency adjustment is accomplished by an external variable capacitor (1 to 12pF, NPO) between pins 1 & 7.

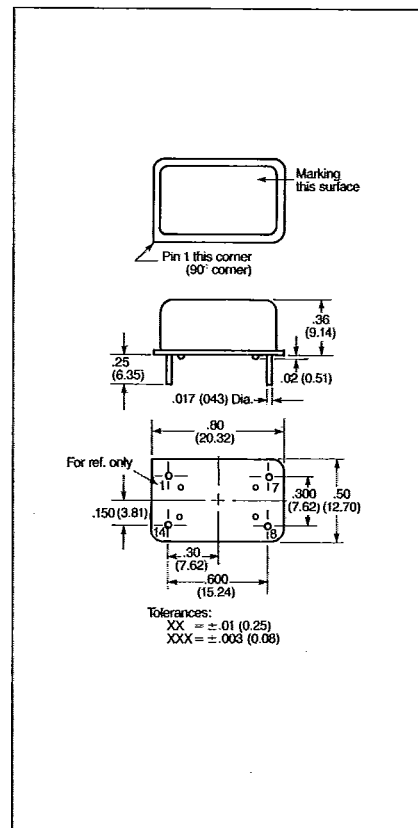
To order

please specify model TO1809 and the appropriate dash number for the desired temperature and stability from the chart below, plus the desired output frequency.

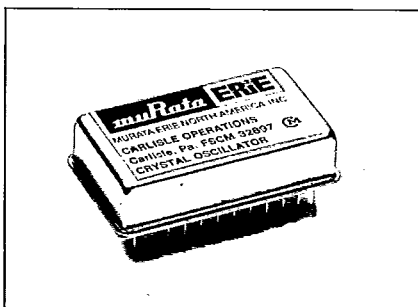
Model no*	Temperature range	Stability
TO1809-1	+10°C to +50°C	±1ppm
TO1809-2	0°C to +50°C	±2ppm
TO1809-3	+10°C to +60°C	±2ppm
TO1809-4	-10°C to +60°C	±3ppm
TO1809-5	0°C to +70°C	±4ppm

SPECIFICATIONS

Frequency range:	5.0MHz to 25.0MHz
Output:	square wave, TTL compatible to drive up to 10 std. TTL loads
Symmetry:	50/50, ±10%
Input:	+5VDC ±5% @ 30mA max.



24 PIN DIP, TTL, 5.0MHz to 25.0MHz TO1810 SERIES



PIN CONNECTIONS:

- Pin 1 : 50KΩ potentiometer
Pin 12 : case & circuit GND & 50KΩ potentiometer (wiper & GND)
Pin 13 : output
Pin 24 : B+, +12VDC

Note: center frequency adjustment is accomplished by an external 50KΩ potentiometer between pins 1 & 12.

To order

please specify model TO1810 and the appropriate dash number for the desired temperature and stability from the chart below, plus the desired output frequency.

Model no*	Temperature range	Stability
TO1810-1	0°C to +70°C	±1ppm
TO1810-2	-40°C to +85°C	±2ppm

SPECIFICATIONS

Frequency range:	5.0MHz to 25.0MHz
Output:	square wave, TTL compatible to drive up to 2 STD TTL loads
Symmetry:	50/50, ±10%
Input:	+12VDC, ±5%
Input current:	5mA to 20mA dependent on output frequency

