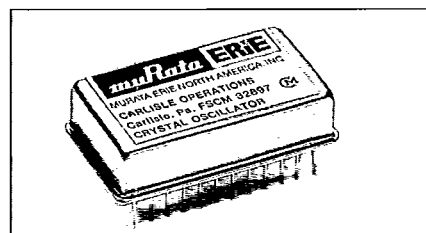


HYBRID
CLOCK OSCILLATORS**muRata ERIE****SINEWAVE: 10MHz to 300MHz AO1811 SERIES****PIN CONNECTIONS:**

Pin 12 : 0 volts & case GND

Pin 13 : output

Pin 24 : B+, +15VDC

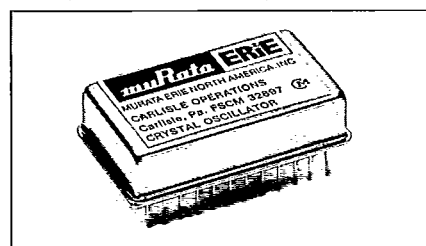
All other pins are no connection

To orderplease specify model AO1811 and
desired output frequency

Frequency range	Output power
10MHz to 74.99MHz	+10dBm
75.0MHz to 149.99MHz	+7dBm
150.0MHz to 300.0MHz	+3dBm

SPECIFICATIONS

Output:	sinewave, load 50Ω
Input:	+15VDC ±5% @ 50mA max.
Temperature range:	0°C to +70°C
Frequency tolerance over temperature:	±50ppm
Harmonics & subharmonics:	-20dBc max.

ECL, 100K SERIES; 50MHz to 350MHz AO1812 SERIES**PIN CONNECTIONS:**Pin 12 : V_{ee} (-4.5VDC to -5.2VDC)

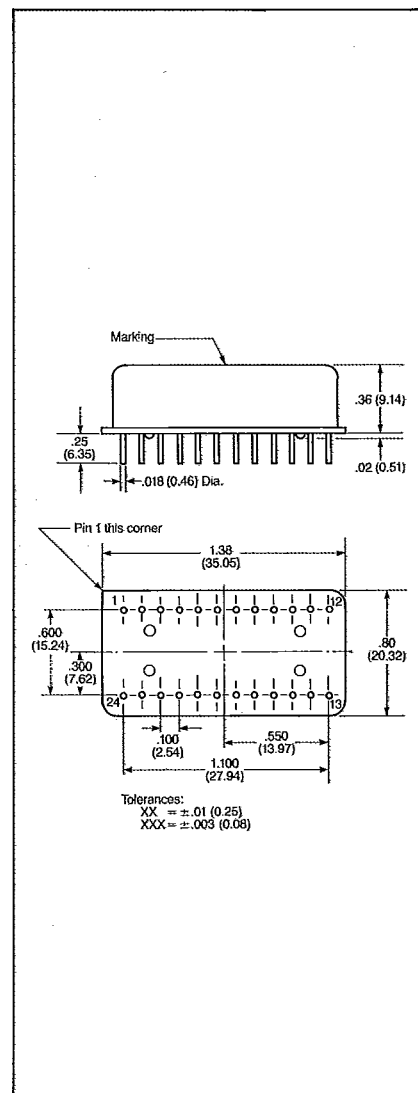
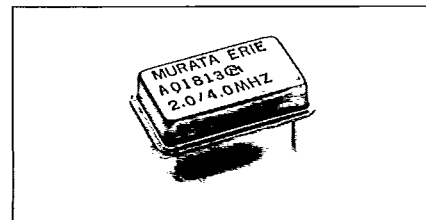
Pin 13 : output

Pin 24 : 0 volts & case GND

All other pins are no connection

To orderplease specify model AO1812 and
desired output frequency**SPECIFICATIONS**

Frequency range:	50MHz to 350MHz
Output:	100K series ECL compatible
Input:	-4.5VDC to -5.2VDC
Temperature range:	0°C to +85°C
Frequency tolerance over temperature:	±50ppm

**DUAL OUTPUT, MICROPROCESSOR CLOCK DRIVER, MOS & TTL OUTPUT AO1813 SERIES****PIN CONNECTIONS:**

Pin 1 : TTL output

Pin 7 : case and circuit GND

Pin 8 : MOS output

Pin 14 : V_{cc}, +5VDC**To order**please specify model AO1813 or
AO1813-1 and desired output frequency**SPECIFICATIONS**

Frequency range:	MOS; 2.0MHz to 10.0MHz TTL; twice MOS frequency
Input:	+5VDC ±10% @ 65mA max.
Output:	(1) MOS compatible to drive up to 150pF (2) TTL compatible to drive up to 10 std TTL loads
Symmetry:	MOS, 50/50 ±5%; TTL, 50/50 ±10%
Phase delay, TTL to MOS:	20ns max., either edge
Temperature range:	*model AO1813; 0°C to +70°C model AO1813-1; -55°C to +125°C
Frequency tolerance over temperature:	+0, -.02% (both models)

