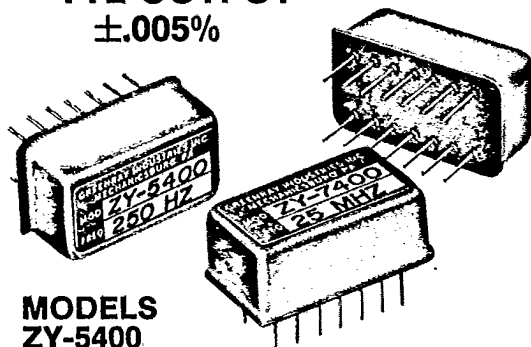


GREENRAY**INDUSTRIES, INC.**

CRYSTAL OSCILLATORS

CRYSTAL OSCILLATORS

50 Hz to 25 MHz**TTL OUTPUT****±.005%**

MODELS
ZY-5400
ZY-7400

SPECIFICATIONS:

Frequency range: 50 Hz to 25 MHz

Frequency stability over temperature range:

±.005% 0°C to +70°C (Model ZY-7400)

±.01% -55°C to +125°C (Model ZY-5400)

Temperature ranges:

0°C to +70°C (Model ZY-7400)

-55°C to +125°C (Model ZY-5400)

Output:

Square wave 50/50 ±20% to drive

- 10 TTL loads (5-25 MHz)

Square wave 50/50 ±5% to drive

- 10 TTL loads (50 Hz to 4.9 MHz)

Output voltage: 0 ±.4V to +2.4V minimum

Input voltage: +5V D.C. ±.25V (ZY-7400)

+5V D.C. ±.50V (ZY-5400)

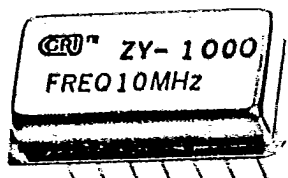
Plugs into standard 14 pin dual-in-line socket

Sealed metal case (for maximum shielding)

Size: 0.87 × 0.50 × 0.36" (L-W-H)

22.1 × 12.7 × 9.1 mm

LOW PROFILE .20 HIGH COMMERCIAL TEMPERATURE RANGE 5 to 70 MHz



MODEL
ZY-1000

SPECIFICATIONS:

Frequency Range: 5.0 MHz to 70.0 MHz

Temperature Range: 0°C to +70°C

Frequency Stability over Temperature Range: ±.01%

Output: Square wave, drives as many as 10 TTL Loads

Symmetry: 60/40 to 40/60 at the 1.4 VDC Level

Rise and Fall Times:

5.0 MHz to 9.99 MHz 15 ns (Max)

10.0 MHz to 70.0 MHz 10 ns (Max)

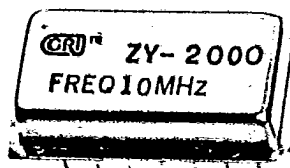
Input Voltage: +5VDC, ±5%

Input Current: 70 Ma (Max)

Case Size: .80 × .5 × .2" (L-W-H)

Hermetically Sealed 14 Pin DIP Package

LOW PROFILE .20 HIGH MILITARY TEMPERATURE RANGE .1 Hz to 60 MHz



MODEL
ZY-2000

SPECIFICATIONS:

Frequency Range: .1 Hz to 60 MHz

Temperature Range: -55°C to +125°C

Frequency Stability over Temperature Range ±.005%

Output: Square wave, drives as many as 10 TTL Loads

Symmetry: 50% ±5% up to 5 MHz, 50% ± 10% above 5 MHz

Input Voltage: +5VDC, ±5%

Input Current:

.1 Hz to 250 Hz 158 Ma (Max)

250 Hz to 150 KHz 94 Ma (Max)

150 KHz to 5 MHz 70 Ma (Max)

5 MHz to 20 MHz 30 Ma (Max)

20 MHz to 60 MHz 65 Ma (Max)

Case Size: .87 × .5 × .2" (L-W-H)

Hermetically Sealed 14 Pin Package

Screening to the full requirements of MIL-0-55310 is available if required.

QPL Approved
To MIL-0-55310

/8,/14,/16,/17**Order To****Model #G55310/___**