

MODEL 103-501
BI-DIRECTIONAL DECADE

DECLASS REVIEW by NIMA/DOD

READOUT:

Nixie

MAXIMUM COUNTING RATE:

1 mc

INPUT TRIGGER REQUIREMENTS:

Minimum level change: .5 volts
Maximum level change: .8 volts
Rise time shorter than: .1 μ sec
Duty cycle: 50% or less in positive direction
Paired pulse resolutions: 1 μ sec
Optimum pulse width at
50% amplitude: .4 μ sec

INPUT GATE REQUIREMENTS:

Enable more positive than: -.5 volt
Disable more negative than: -8 volt

CARRY SIGNAL CHARACTERISTICS:

Trigger:
Minimum level change: -.6 volts
Rise time less than: .05 μ sec
Pulse width at 50% amplitude: .4 μ sec

Enable more positive than: -.5 volt
Disable more negative than: -8 volts

OUTPUT OPEN CIRCUIT:

(10 k source) 1-2-4-8 Code
Reset: More positive than: -.3 volt
Set: More negative than: -7 volts
Reset to zero-More negative
than: -5 volts
Minimum duration: .5 μ sec

POWER REQUIREMENTS:

-11v at 145 ma; +5.6v at 5 ma;
+180v at 5 ma

DIMENSIONS:

3 3/4" H x 1" W x 3 5/8" D

WEIGHT:

5 1/2 oz.

STATINTL

CONSTRUCTION:

Modular plug-in unit with edge-on printed
circuit board type plug, mating with Cinch
#251-18-70-161. 18 pin double sided P.C.