



DELAY ON OPERATE SOLID STATE OUTPUT

6150

FEATURES:

- Hermetic Package
- 300 mA Load
- Reverse Polarity Protection
- Built to MIL-R-83726 Environmentals

ELECTRICAL SPECIFICATIONS:

Timing Range: .05 to 600s

Tolerance: $\pm 10\%$

Repeatability: $\pm 0.1\%$

Recycle Time: 10 ms

Recovery Time: 20 ms

Input Data:

Input voltage: 18 to 31 V dc

Current drain: 10 mA plus load current

Output Data:

Output form: SPSTNO Solid-state switch with closure to ground.

Output rating: 300 mA (25°C)
280 mA (85°C)

Maximum load: 100 mA (125°C)

Saturation voltage: 2.5 V maximum

Leakage: 1 μ A (25°C)
10 μ A (125°C)

ENVIRONMENTAL SPECIFICATIONS:

Temperature range: -55°C to +125°C.

Vibration: 20 G's, 10 to 2000 Hz

Shock: 50 G's 11 ± 1 milliseconds duration.

Dielectric: 500V RMS, 60Hz at seal level, all terminals to case

Insulation resistance: 1,000 megohms at 500 V dc all terminals to case.

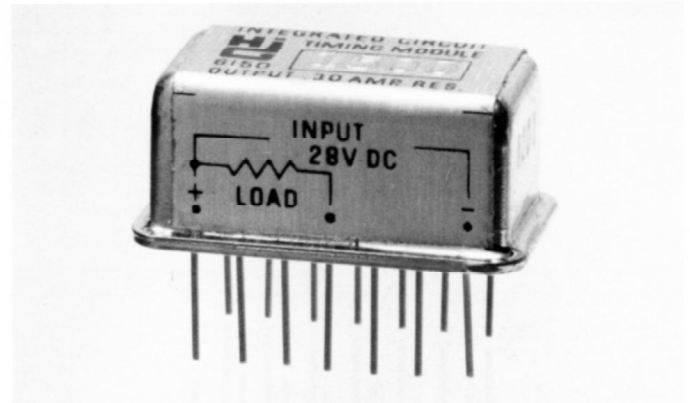
Sealing: Hermetic 1.3 inches mercury

Life: Over 1,000,000 operations

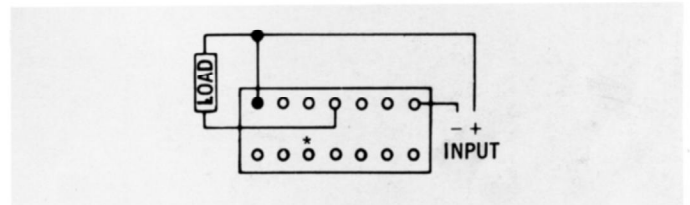
Weight: 0.3 oz. max.

OPTIONS:

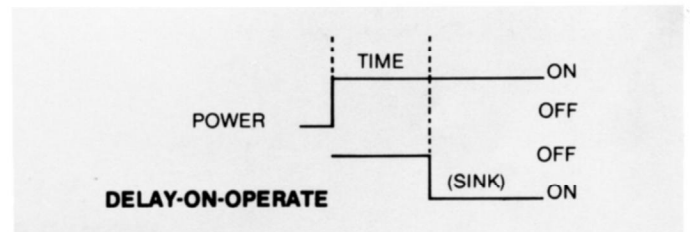
- Timing Range
- Higher Input Voltages
- Plastic Packages
- Tighter Tolerances
- Special Testing
- Lower profile metal housing, 0.210 max



WIRING DIAGRAM



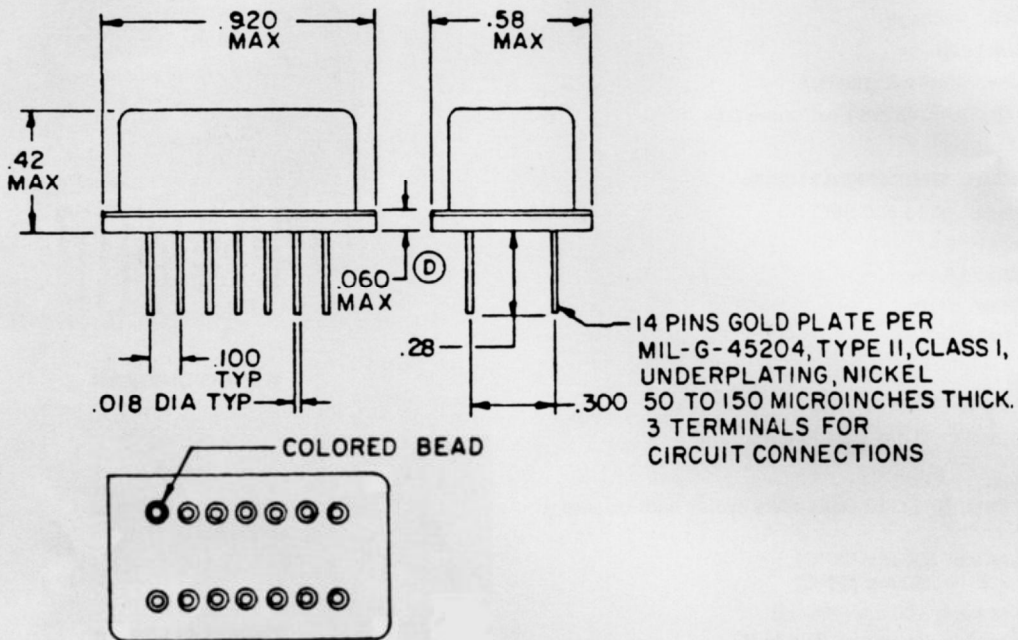
TIMING DIAGRAM



SPECIAL NOTES:

- Pin 10 is active — DO NOT CONNECT.
- Load is connected between B+ and terminal designated. Delay begins upon application of power to terminals (B+ and B-).

MECHANICAL SPECIFICATIONS



HOW TO ORDER:

Timing Code Determination: The timing code consists of four digits and denotes time in milliseconds. The first three digits are significant figures and the last digit is the number of zeros to follow. Thus 100 milliseconds is coded 1000; 1.1 seconds is 1101 (1100 milliseconds), and 60 seconds is 6002 (60,000 milliseconds).

Example:

| | | | |
|--------------|-------------------------|---|-------------|
| | Hi-G Part Number | | |
| | 6150 | — | 6002 |
| MODEL NUMBER | | | |
| | | | |
| | | | TIMING CODE |

This number designate a Solid-State Output Timer with 60 seconds (60,000 milliseconds), time delay operation at 28 VDC.