



# 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:** ±10%

**Repeatability:** ±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 µA (25°C)  
10 µA (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.

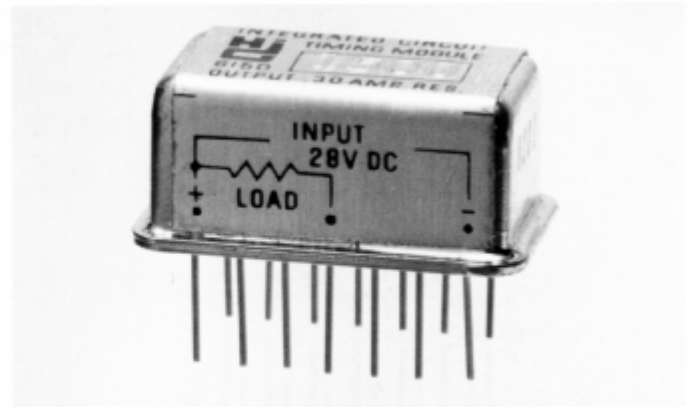
**Sealing:** Hermetic 1.3 inches mercury

**Life:** Over 1,000,000 operations

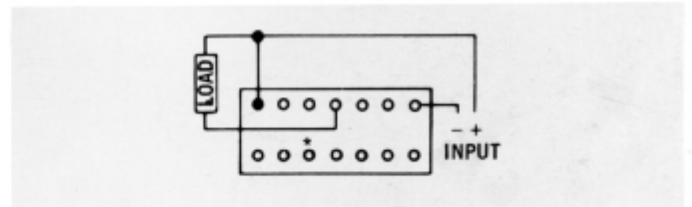
**Weight:** 0.3 oz. max.

### OPTIONS:

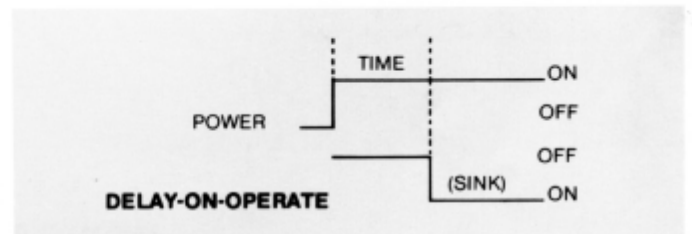
- Timing Range
- Higher Input Voltages
- Plastic Packages
- Tighter Tolerances
- Special Testing
- Lower profile metal housing, 0.210 max



WIRING DIAGRAM



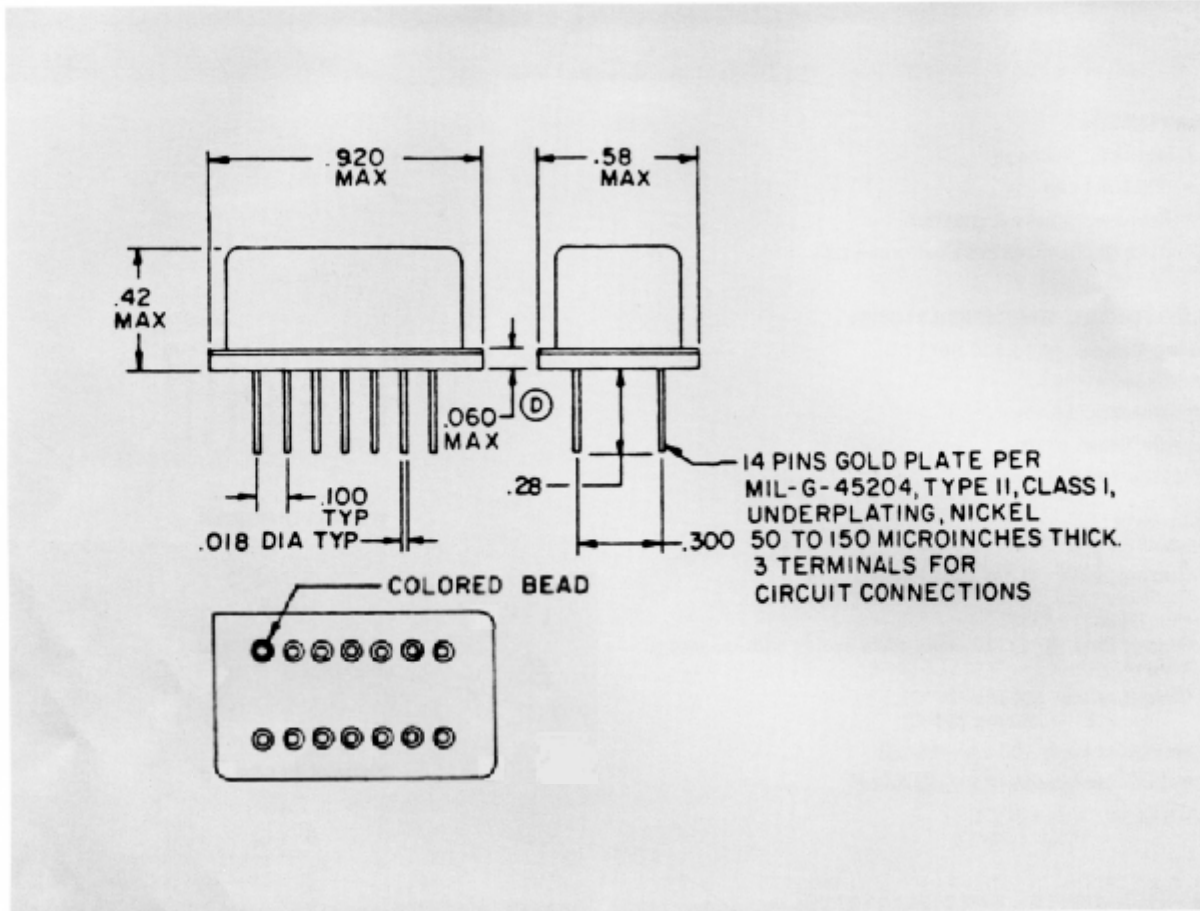
TIMING DIAGRAM



### 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:**

	<b>Hi-G Part Number</b>		
	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.