



# Engineering Data

Bulletin E-162  
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October 5, 1950

## HYTRON TYPE 600L

### MECHANICAL DATA

|                        |                                      |             |
|------------------------|--------------------------------------|-------------|
| Coated filament        |                                      |             |
| Outline drawing        |                                      | Bulb T-9    |
| Base                   | B5-10 Intermediate shell octal 5-pin |             |
| Maximum diameter       |                                      | 1-5/16"     |
| Maximum overall length |                                      | 1-1/16"     |
| Maximum seated height  |                                      |             |
| Pin connections        |                                      | Basing 5T   |
| Pin 1 - No connection  | Pin 6 - No connection                |             |
| Pin 2 - Filament       | Pin 8 - Filament                     |             |
| Pin 4 - No connection  | Cap Plate                            |             |
|                        | Cap Plate                            |             |
| Cap                    |                                      | See drawing |
| Mounting position      |                                      | Vertical    |

\* Horizontal operation permitted if pins #2 and #4 are in vertical plane.

### ELECTRICAL DATA

#### Ratings

|                                                                        |      |         |
|------------------------------------------------------------------------|------|---------|
| Filament voltage ( ac or dc )                                          | 5.0  | volts   |
| Maximum peak inverse voltage                                           | 1100 | volts   |
| Maximum steady state peak plate current each plate                     | 375  | ma      |
| Maximum transient peak plate current each plate                        | 1.0  | amperes |
| Tube voltage drop (measured with tube conducting<br>115 ma each plate) | 50   | volts   |

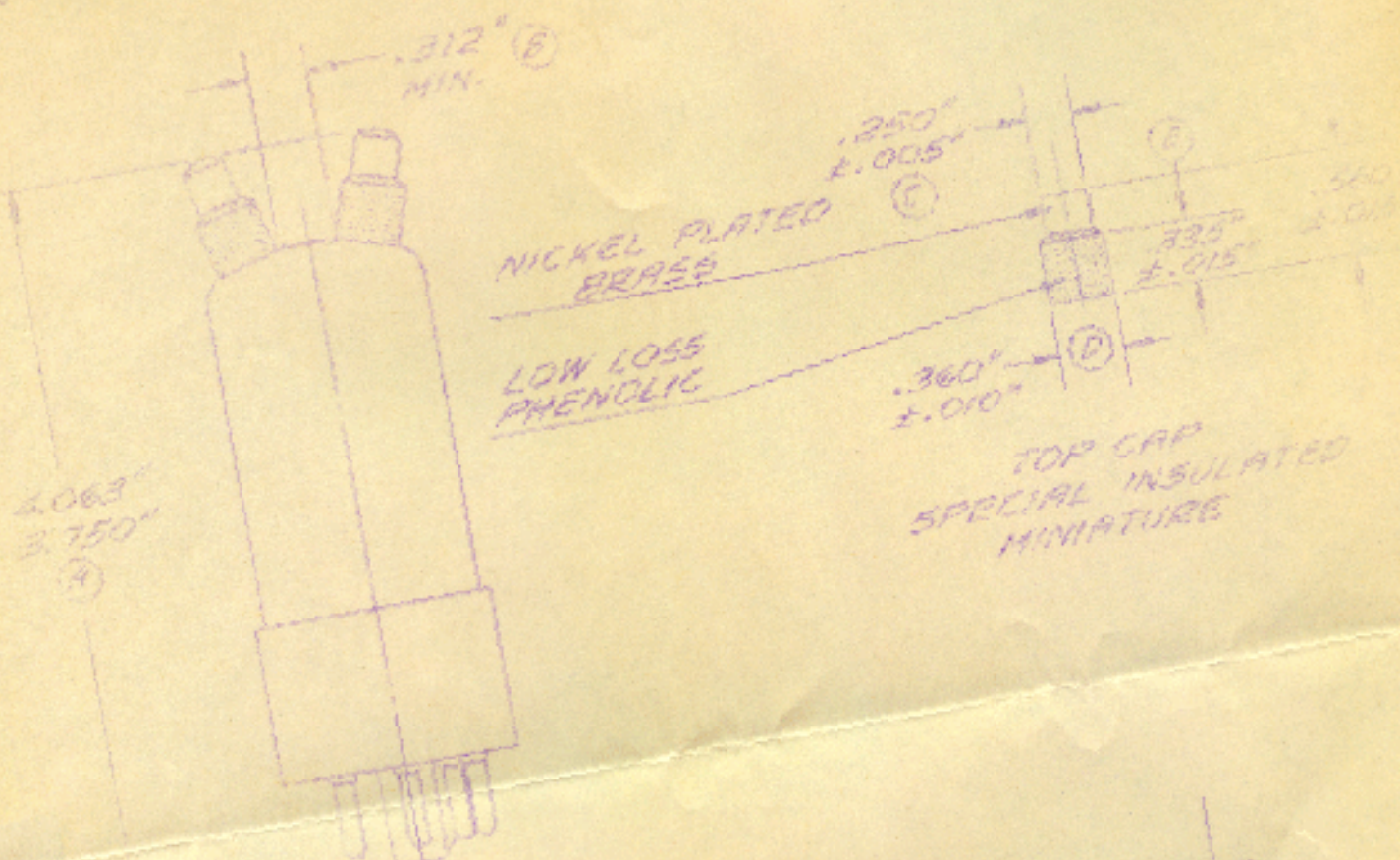
#### Typical operation (Full Wave Rectifier)

#### Capacitor Input

|                                             |     |         |
|---------------------------------------------|-----|---------|
| Filament voltage                            | 5.0 | volts   |
| Filament current                            | 2.0 | amperes |
| AC plate supply voltage each plate          | 375 | volts   |
| Input condenser                             | 4   | uf      |
| Effective plate supply impedance each plate | 60  | ohms    |
| DC output current                           | 120 | ma      |
| DC output voltage                           | 360 | volts   |

REVISION TYPE 6006

Oct 5, 1950



#1 PLATE CAP

#2 PLATE CAP

LOW LOSS PHENOLIC

CROSS SECTION VIEW  
 OF UNASSEMBLED CAP

EACH CAP  
 MAY VARY  
 1/16" FROM  
 TRUE  
 CENTER

DESIGN TEST MEASUREMENTS: .006  
 TYPE APPROVAL TEST  
 MEASUREMENTS: .006

