

# 7019 (635) HALF WAVE RECTIFIER TUBE

## TECHNICAL INFORMATION

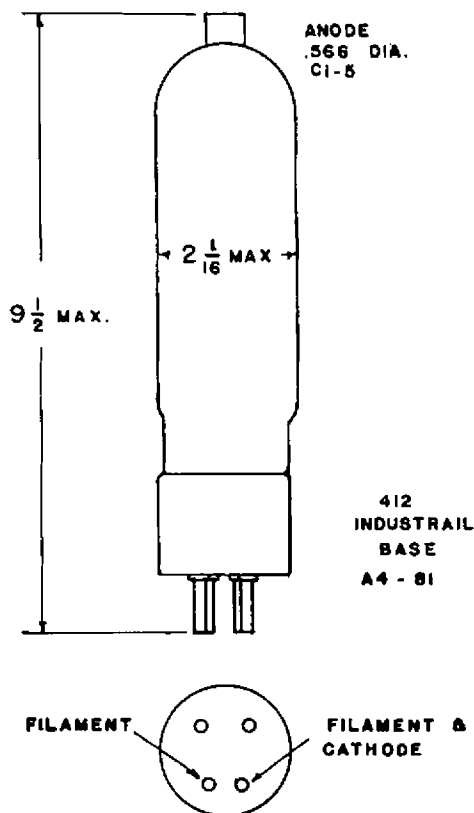
Description: An argon-mercury vapor, half-wave, rectifier tube designed especially for industrial power rectifier applications up to 250 volts d. c.

|                                                                      |                     |
|----------------------------------------------------------------------|---------------------|
| dc Amperes output (maximum) .....                                    | 6.4                 |
| Instantaneous Amperes output (maximum) .....                         | 77                  |
| Maximum time of averaging anode current (seconds) .....              | 20                  |
| Maximum peak inverse volts .....                                     | 1000                |
| Filament volts .....                                                 | 2.5                 |
| Filament amperes .....                                               | 18 ± 2              |
| Filament heating time (seconds) .....                                | 60                  |
| Typical arc drop at 20 amperes peak (volts) .....                    | 9                   |
| Typical Anode starting voltage (volts) .....                         | 20                  |
| Maximum ac short circuit current (amperes) .....                     | 770                 |
| Condensed mercury temperature limits (°C) .....                      | 0 to + 100          |
| Approximate temperature rise, cond. mercury above ambient (°C) ..... | 30                  |
| Mounting position .....                                              | vertical, base down |
| Net weight (ounces) .....                                            | 6                   |
| Approx. shipping weight (lbs.) .....                                 | 4                   |

### LIGHT FILAMENT BEFORE APPLYING LOAD

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

### OUTLINE DRAWING



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