

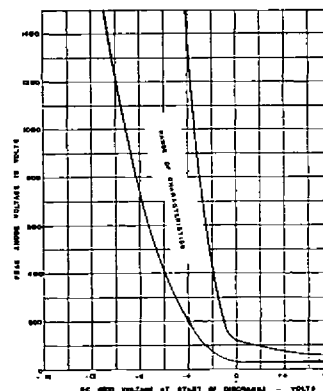
7023 (760L) THYRATRON TUBE

TECHNICAL INFORMATION

Description: A quick heating, argon and mercury vapor, industrial thyatron designed especially for welding control, motor speed control, and regulated rectifier applications.

| | |
|---|---------------------|
| dc Amperes output (Maximum) | 6.4 |
| Instantaneous Amperes output (Maximum) | 77 |
| Maximum time of averaging anode current (seconds) | 15 |
| Maximum peak inverse volts | 1500 |
| Maximum peak forward volts | 1500 |
| Condensed mercury temperature limits (°C) | -40 to +80* |
| Filament volts | 2.5 |
| Filament amperes | 21 ± 2 |
| Filament heating time (seconds) | 60 |
| Typical arc drop at 20 amperes peak (volts) | 12 |
| Grid control characteristic | See Curve |
| Maximum negative grid voltage before conduction (volts) | 500 |
| Maximum negative grid voltage during conduction (volts) | 10 |
| Maximum critical grid current (microamps) | 10 |
| Ionization time (approx., microseconds) | 10 |
| Deionization time (approx., microseconds) | 1000 |
| Anode to grid capacitance (uuf) | 4 |
| Maximum ac short circuit current (amperes) | 770 |
| Approx. temp. rise, cond. mercury above ambient (°C) | 30 |
| Mounting position | Vertical, base down |
| Net weight (ounces) | 9 |
| Approx. shipping weight (lbs.) | 5 |

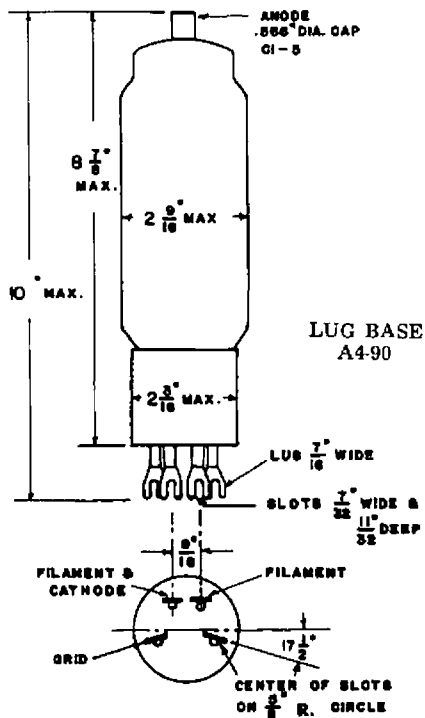
GRID CHARACTERISTIC



*The tube may be started and satisfactory operation will result between -40 and +80°C. For maximum life the condensed mercury temperature after warm up should run between +40 and +80°C which corresponds to approximately +10 to +50°C ambient.

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

OUTLINE DRAWING



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