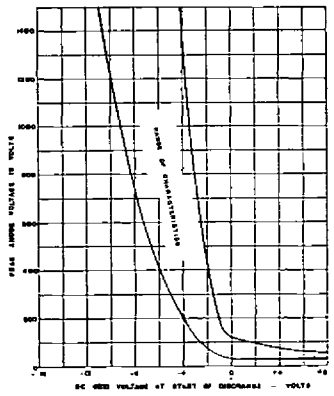
7023 (760L) THYRATRON TUBE
TECHNICAL INFORMATION

Description: A quick heating, argon and mercury vapor, industrial thyratron 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

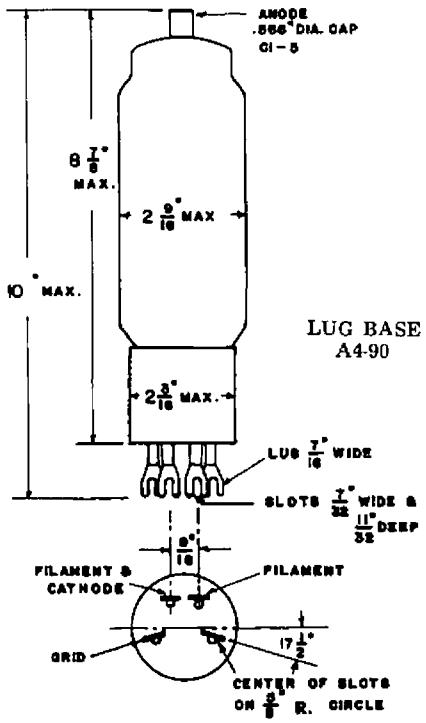
*The tube may be started and satisfactory operation will result between —40 and +80°C. For maximum life the condensed mercury temperature after warm up should run between +40 and +80°C which corresponds to approximately +10 to +50°C ambient.

GRID CHARACTERISTIC



ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

OUTLINE DRAWING



LUG BASE
A4-90

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