7022 (740L) THYRATRON TUBE
TECHNICAL INFORMATION

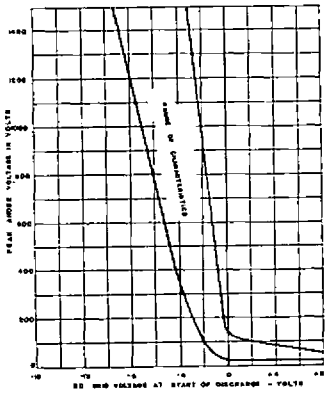
A quick heating, argon and mercury vapor, industrial thyratron designed especially for heavy duty ignitor firing applications, and for use in motor speed control and regulated rectifier applications.

dc Amperes output (maximum)	4
Instantaneous Amperes output (maximum)	30
Maximum time of averaging anode current (seconds)	5
Maximum peak inverse volts	1500
Maximum peak forward volts	1500
Condensed mercury temperature limits (°C)*	—40 to +80
Filament volts	2.5
Filament amperes	16 ± 2
Filament heating time (seconds)	30
Typical arc drop at 12 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)	3
Maximum ac short circuit current (amperes)	400
Approx. tem. rise, cond. mercury above ambient (°C)	25
Mounting position	Vertical, base down
Net weight (ounces)	7
Approx. shipping weight (lbs.)	4

*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 +15 to +55°C. ambient.

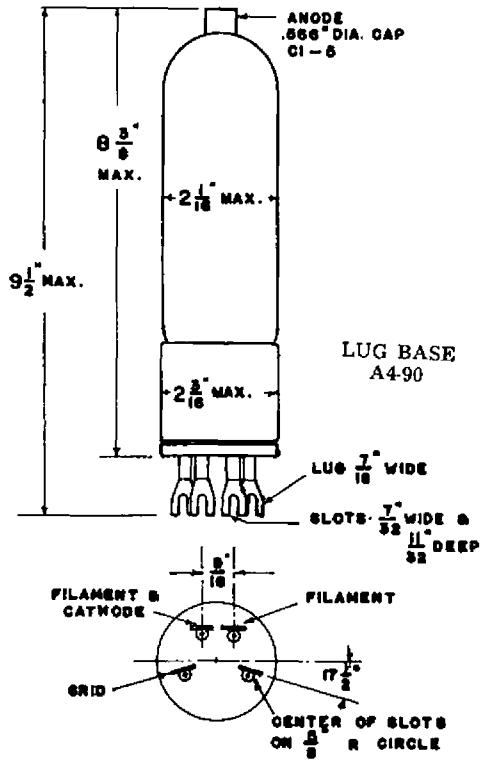
Note: Max. base shell to lead voltage, 1500 v rms.

GRID CHARACTERISTIC



ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

OUTLINE DRAWING



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