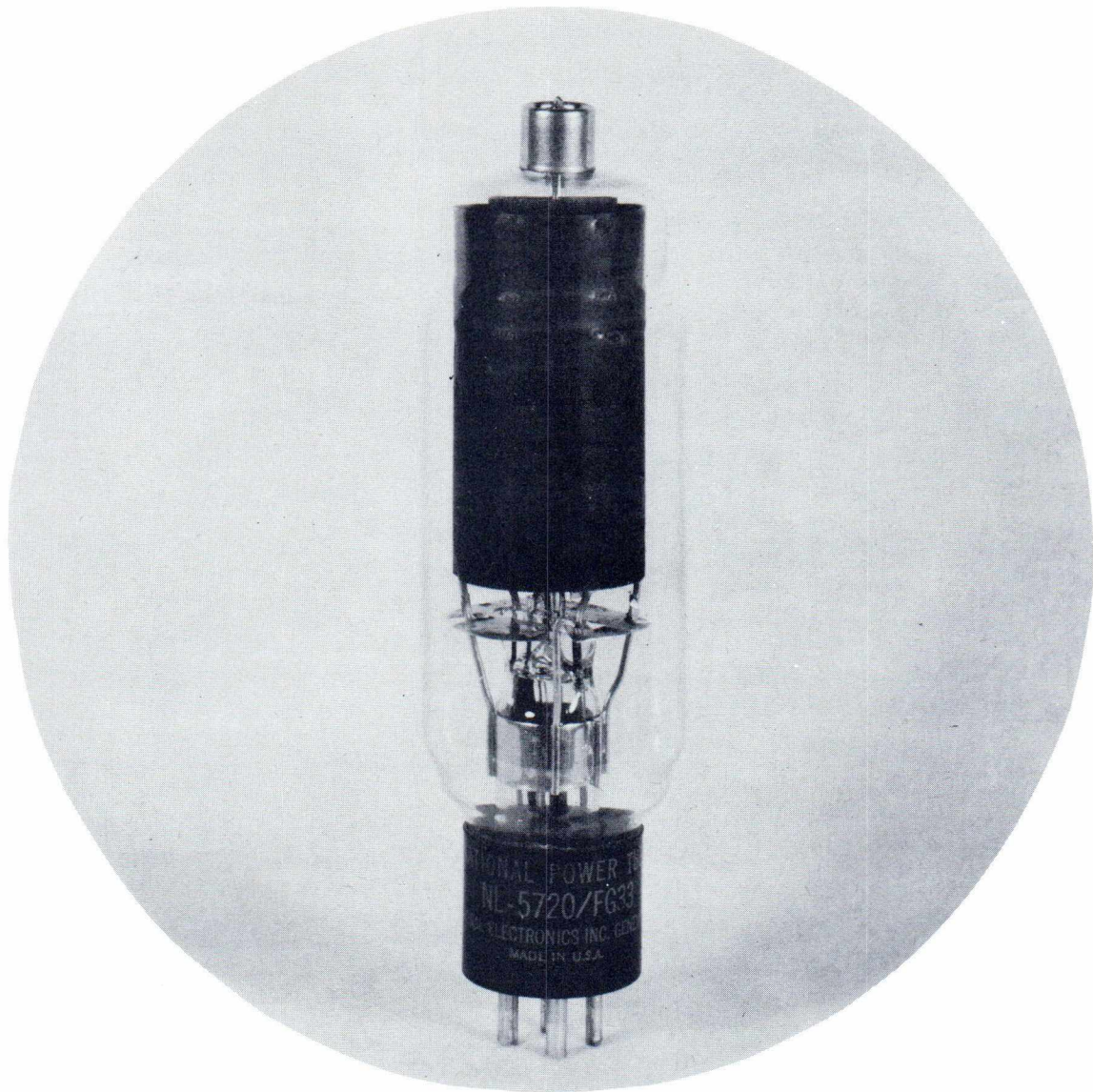


THYRATRON TUBE

NL-5720/FG33
THYRATRON TUBE
2.5 Amperes dc -- 15 Amperes Peak



NATIONAL POWER TUBE NL-5720/FG33 is a mercury vapor thyatron with a positive grid characteristic. It is especially useful in applications that require no current flow when there is no grid excitation.

NATIONAL ELECTRONICS, INC.
GENEVA, ILLINOIS, U. S. A.

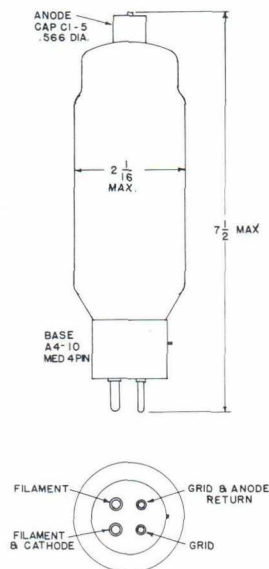
NL-5720/FG33 THYRATRON TUBE TECHNICAL INFORMATION

dc Amperes output (maximum)	2.5
Instantaneous amperes output (maximum)	15
Maximum time of averaging anode current (seconds)	15
Maximum peak inverse volts	1000
Maximum peak forward volts	1000
Maximum positive control-grid current average (one cycle averaging time) (amperes)	.25
Maximum negative control grid voltage	500
Before conduction (volts)	10
During conduction (volts)	200
Maximum short circuit current (amperes)	5.0 $\pm$.25
Filament Volts	4.5 $\pm$.4
Filament currents (amps)	300
Cathode heating time (seconds)	2.7
Anode to control grid capacitance (uuf)	8.0
Control Grid to Cathode Capacitance (uuf)	1000
Critical grid current at $E_p=220$ V a-c (Maximum Microamperes)	10
Ionization time (Approx. Microseconds)	1000
Deionization time (Approx. Microseconds)	15
Anode drop at 8 amperes peak (volts)	+35 to +80
Condensed mercury temperature limits ($^{\circ}$ C)	
Approximate temperature rise, cond. mercury above ambient	
No load ($^{\circ}$ C)	26
Full load ($^{\circ}$ C)	37
Mounting position	vertical, base down
Net weight (ounces)	5
Approx. shipping weight (lbs.)	4

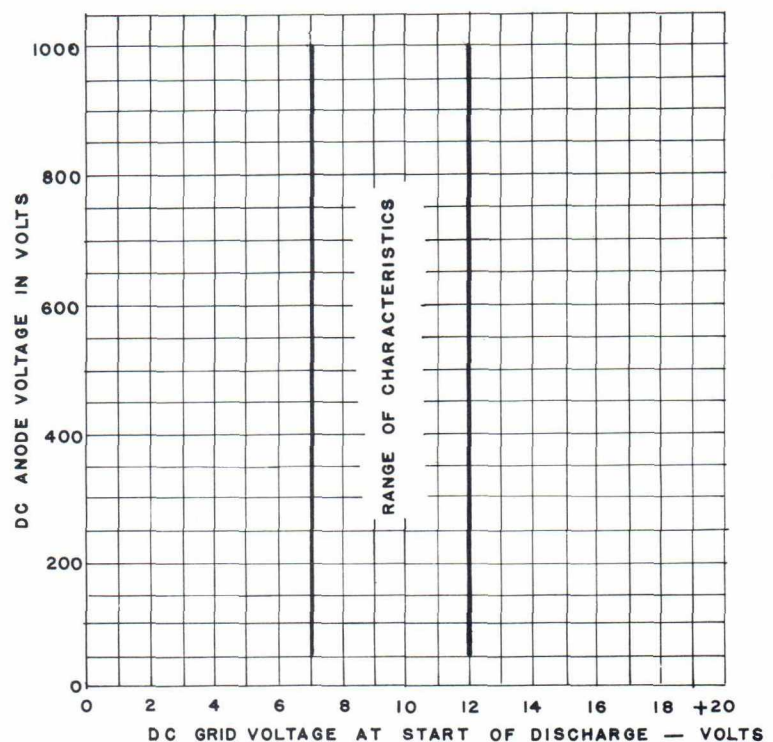
ALL DATA ARE BASED ON RETURNS TO CATHODE

LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING



GRID CHARACTERISTIC



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