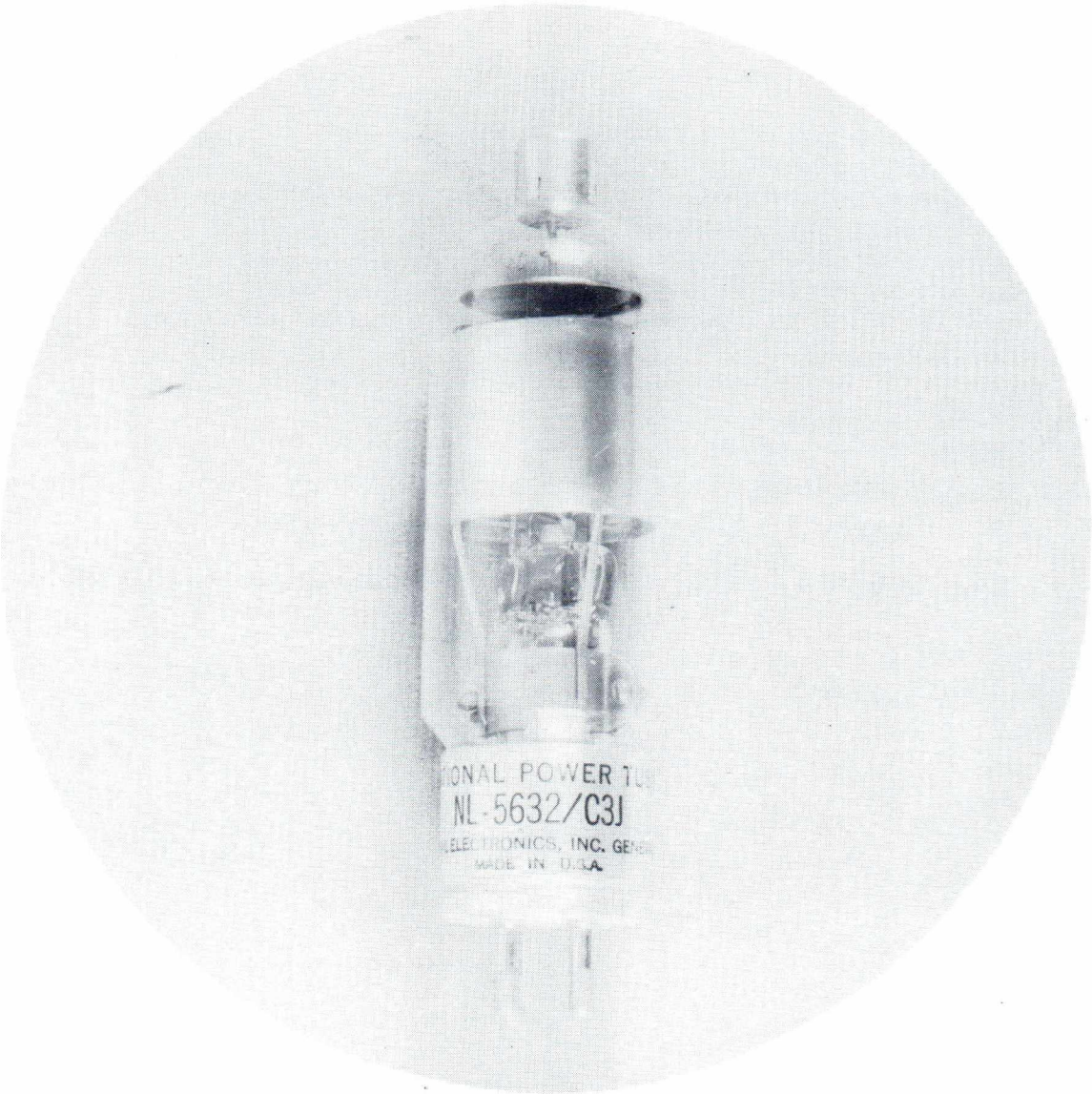
THYRATRON TUBE

NL-5632/C3J
THYRATRON TUBE
2.5 Amperes dc -- 30 Amperes Peak



NATIONAL POWER TUBE NL-5632/C3J is a quick heating thyratron designed for timing and control applications. It is xenon filled for quick starting and the ability to operate within wide ambient temperature limits. It is ruggedly constructed for industrial applications.

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

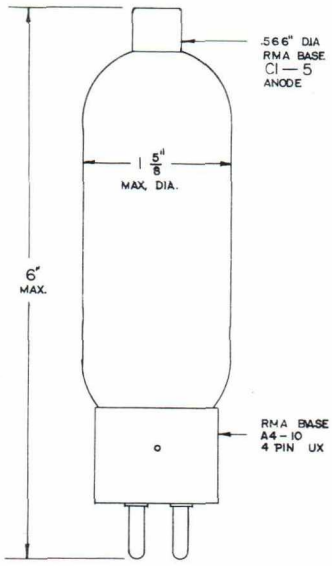
NL-5632/C3J THYRATRON TUBE
TECHNICAL INFORMATION

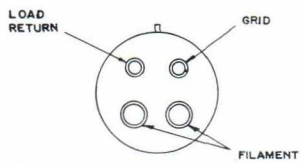
dc Amperes output (maximum)	2.5
Instantaneous Amperes output (maximum)	30
Maximum time of averaging anode current (seconds)	4.5
Maximum peak inverse volts	1250
Maximum peak forward volts	900
Max. Commutation Factor (V/usec x V/usec) at a max. initial inverse voltage of 350 volts	0.66
Filament volts	2.5
Filament amperes	9 ± 2
Heating time (seconds)	30
Typical arc drop at 10 amperes peak (volts)	10
Grid control characteristic	see curve
Maximum negative grid voltage before conduction (volts)	100
Maximum negative grid voltage during conduction (volts)	10
Ionization time (approx., microseconds)	10
Deionization time (approx., microseconds)	1000
Anode to grid capacitance (uuf)	2
Maximum critical grid current (microamperes)	10
Maximum ac short circuit current (amperes)	300
Ambient temperature limits (°C)	—55 to +75
Mounting position	any
Net weight (ounces)	3
Approx. shipping weight (lbs.)	3

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

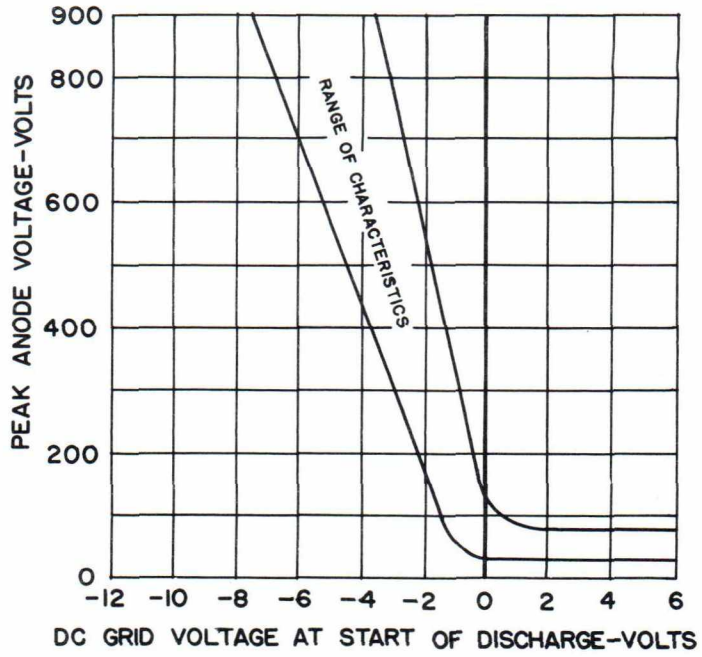
LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING





GRID CHARACTERISTIC



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