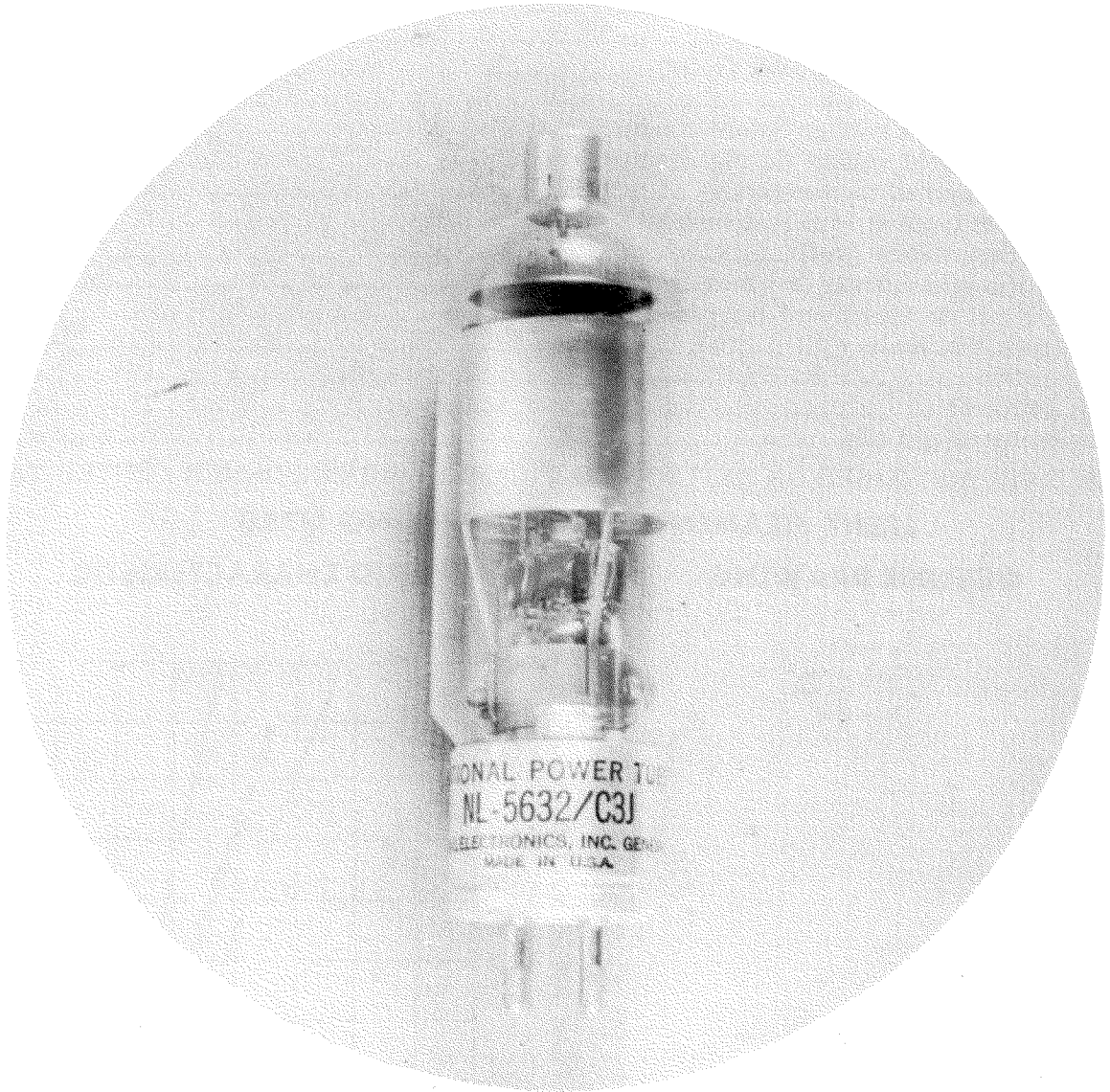


THYRATRON TUBE

NL-5632/C3J

THYRATRON TUBE

2.5 Amperes dc -- 30 Amperes Peak



NATIONAL POWER TUBE NL-5632/C3J is a quick heating thyatron 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

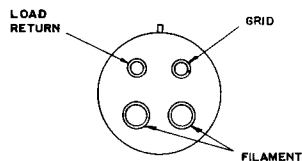
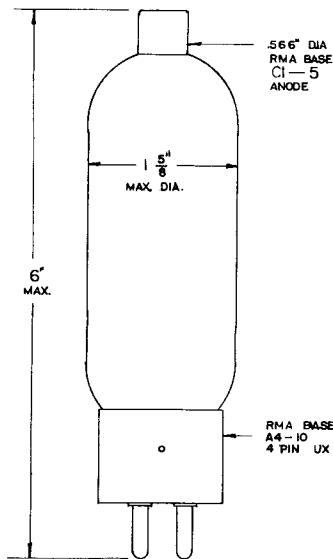
TECHNICAL INFORMATION

| | |
|--|------------|
| 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 |

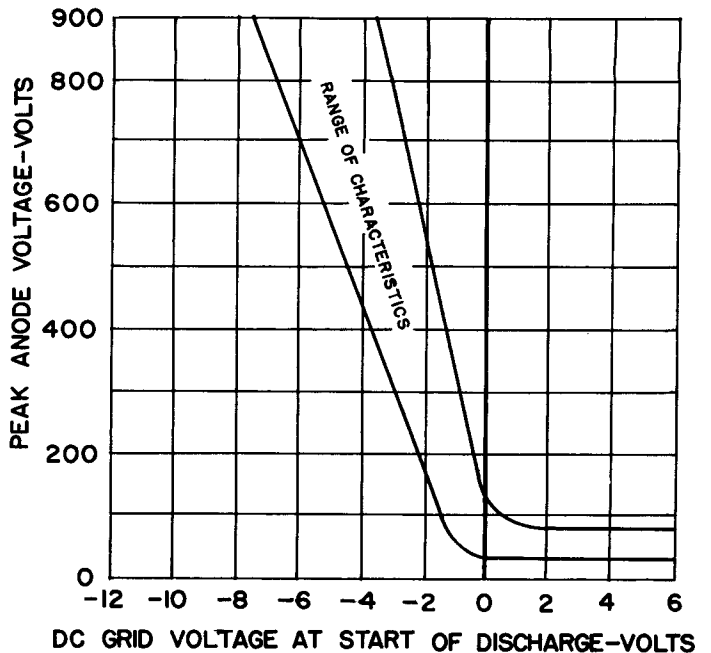
ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP

LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING



GRID CHARACTERISTIC



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