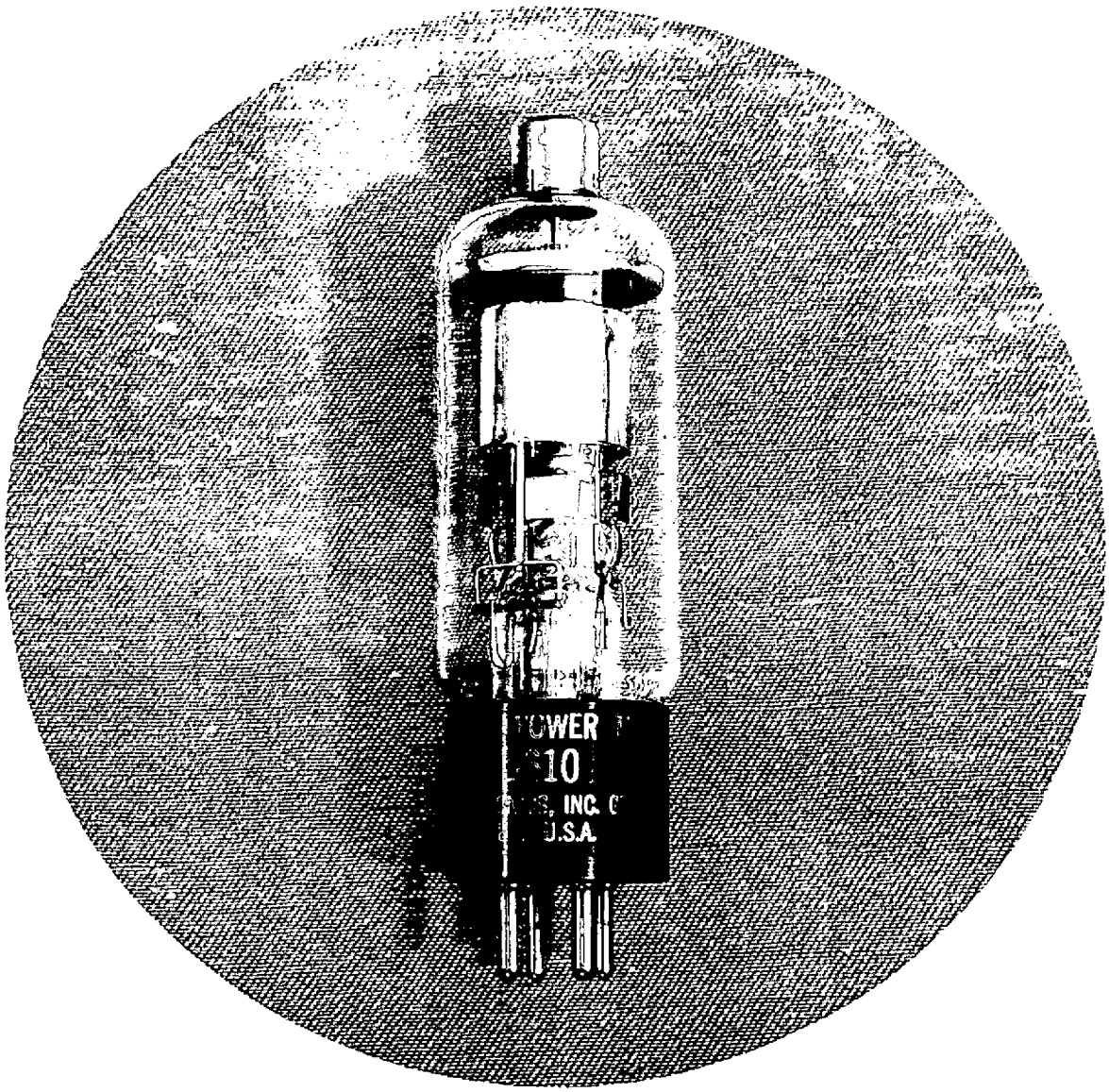
# RECTIFIER TUBE

## NL-610/7723

## INERT-GAS-FILLED RECTIFIER TUBE

## 2.5 Amperes dc




NATIONAL POWER TUBE NL-610 is a sturdy rectifier tube designed especially for industrial power rectifier applications where a high commutation factor tube is required. It is xenon-filled for efficiency, compactness, and the ability to operate within very wide temperature limits.

from JEDEC release #3016, Nov. 7, 1960


NATIONAL ELECTRONICS, INC.

A SUBSIDIARY OF EITEL-McCULLOUGH, INC.

GENEVA, ILLINOIS, U. S. A.

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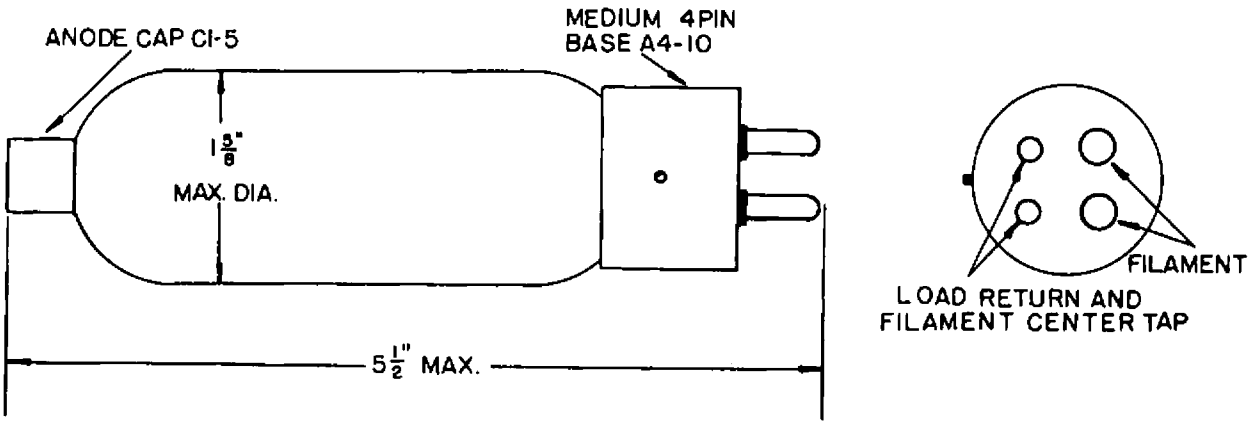
## TECHNICAL INFORMATION

| | |
|---|---|
| dc Amperes output (maximum) | 2.5 |
| Instantaneous Amperes output (maximum) | 30 |
| Maximum time of averaging anode current (seconds) | 7 |
| Maximum peak inverse volts | 920 |
| Filament volts | 2.5 |
| Filament amperes | 7 to 11 |
| Filament heating time (seconds) | 30 |
| Typical arc drop at 8 amperes peak (volts) | 10 |
| Typical Anode starting voltage (volts) | 12 |
| Maximum ac short circuit current (amperes) | 300 |
| Maximum Commutation Factor (A/usec x V/usec) | 50 |
| Ambient temperature limits (°C) | −55 to +75 |
| Mounting position | any |
| Net weight (ounces) | 3 |
| Approx. shipping weight (lbs.) | 3 |
| Type cooling | Unrestricted air convection |

ALL DATA ARE BASED ON RETURNS TO FILAMENT CENTER TAP

***LIGHT FILAMENT BEFORE APPLYING LOAD***

## OUTLINE DRAWING

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