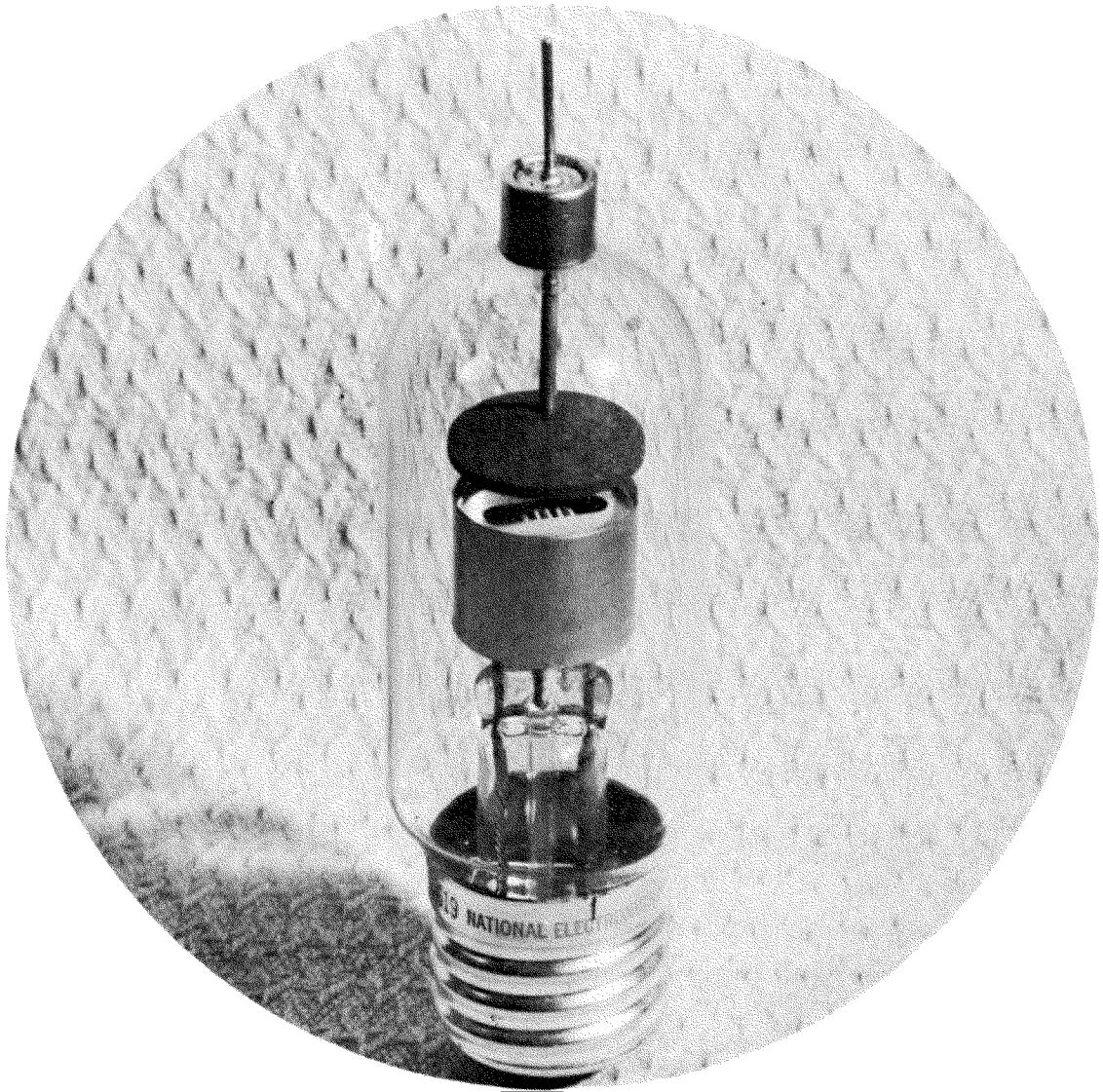


# RECTIFIER TUBE

**NL-619**

**RECTIFIER TUBE**

**6 Amperes dc**



NATIONAL POWER TUBE NL-619 is a sturdy mercury vapor rectifier tube with Mogul screw base. It is designed especially for industrial rectifier applications at 90 volts dc. The tube is mercury vapor filled to obtain long life and high efficiency in operation.

**NATIONAL ELECTRONICS, INC.**

**GENEVA, ILLINOIS, U. S. A.**

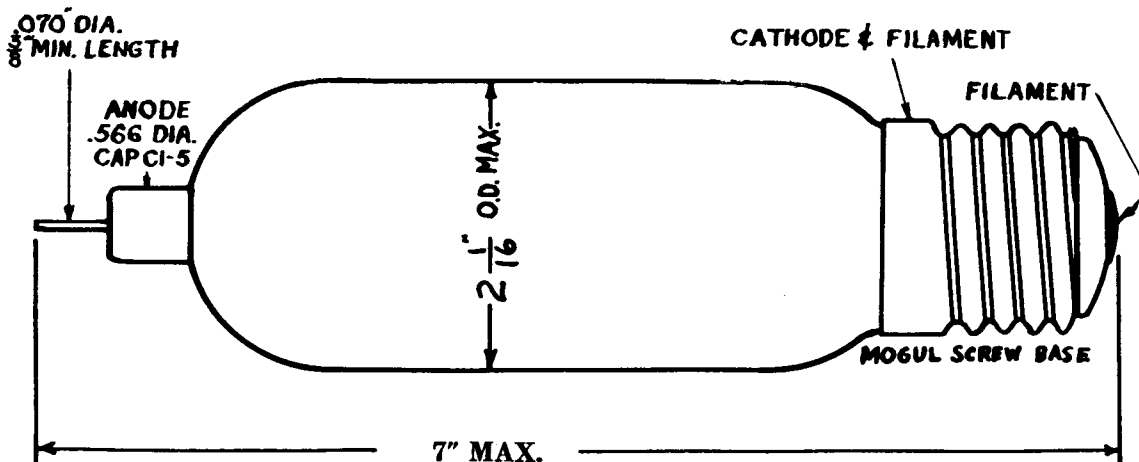
# NL-619 RECTIFIER TUBE TECHNICAL INFORMATION

dc Amperes output (maximum) .....	6
Instantaneous Amperes output (maximum) .....	20
Maximum time of averaging anode current (seconds) .....	15
Maximum peak inverse volts .....	300
Filament volts .....	2.0
Filament amperes .....	10 to 13
Filament heating time (seconds) .....	60
Typical arc drop at 15 amperes peak, 70°C (volts) .....	10
Typical Anode starting voltage (volts) .....	9
Maximum ac short circuit current (amperes) .....	250
Condensed mercury temperature limits (°C) .....	+35 to +115
Approx. temp. rise, cond. merc. above ambient, no load (°C) .....	25
Approx. temp. rise, cond. merc. above ambient, full load (°C) .....	60
Mounting position .....	vertical, base down
Net weight (ounces) .....	6
Approx. shipping weight (lbs.) .....	4

ALL DATA ARE BASED ON RETURNS TO FILAMENT CENTER TAP

## LIGHT FILAMENT BEFORE APPLYING LOAD

### OUTLINE DRAWING



Printed in USA 5-56 GR

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