

# RECTIFIER TUBE

**NL-653**

**RECTIFIER TUBE**

**3 Amperes dc**



NATIONAL POWER TUBE NL-653 is a sturdy, single-ended, rectifier tube designed especially for industrial power rectifier applications and for "back-rectifier" applications in conjunction with a thyatron tube. It is mercury filled for efficiency, long life, and the ability to stand high inverse voltage.

## NATIONAL ELECTRONICS, INC.

GENEVA, ILLINOIS, U. S. A.

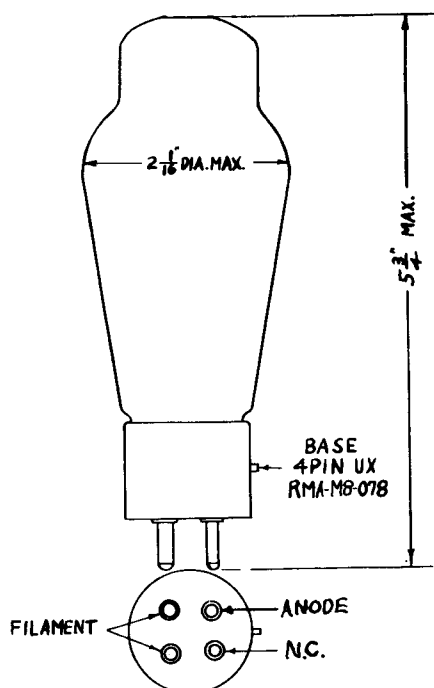
# NL-653 RECTIFIER TUBE TECHNICAL INFORMATION

dc Amperes output (maximum) .....	3
Instantaneous Amperes output (maximum) .....	12
Maximum time of averaging anode current (seconds) .....	5
Maximum peak inverse volts .....	900
Filament volts .....	2.5
Filament amperes .....	$9\frac{1}{2} \pm 1\frac{1}{2}$
Filament heating time (seconds) .....	40
Typical arc drop at 12 amperes peak (volts) .....	11
Typical Anode starting voltage (volts) .....	16
Maximum ac short circuit current (amperes) .....	200
Condensed mercury temperature limits (°C) .....	+ 35 to + 85
Approximate temperature rise, cond. mercury above ambient (°C) .....	30
Mounting position .....	vertical, base down
Net weight (ounces) .....	4
Approx. shipping weight (lbs.) .....	3

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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