

RECTIFIER TUBE

NL-649

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2 Amperes dc



NATIONAL POWER TUBE NL-649 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.

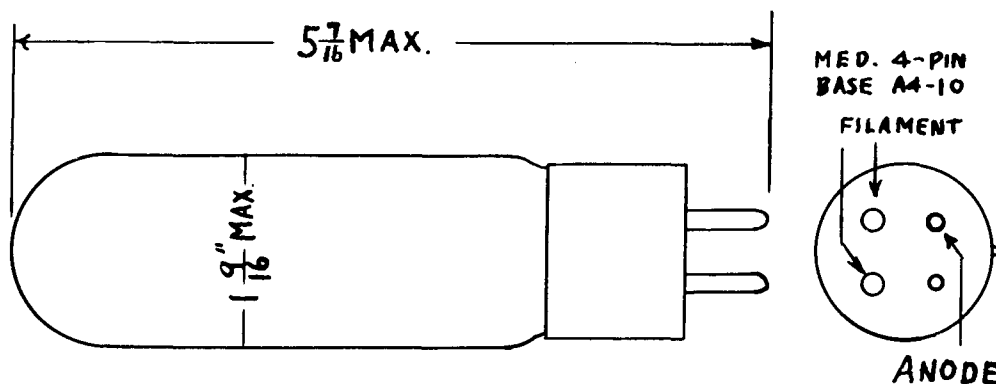
NL-649 RECTIFIER TUBE TECHNICAL INFORMATION

dc Amperes output (maximum)	2
Instantaneous Amperes output (maximum)	10
Maximum time of averaging anode current (seconds)	5
Maximum peak inverse volts	900
Filament volts	2.5
Filament amperes	7 $\pm$ 1
Filament heating time (seconds)	20
Typical arc drop at 6 amperes peak (volts)	9
Typical Anode starting voltage (volts)	16
Maximum ac short circuit current (amperes)	125
Condensed mercury temperature limits (°C)	+ 35 to + 85
Approximate temperature rise, cond. mercury above ambient (°C)	25
Mounting position	vertical, base down
Net weight (ounces)	3
Approx. shipping weight (lbs.)	3

ALL DATA ARE BASED ON RETURNS TO FILAMENT CENTER TAP

LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING



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