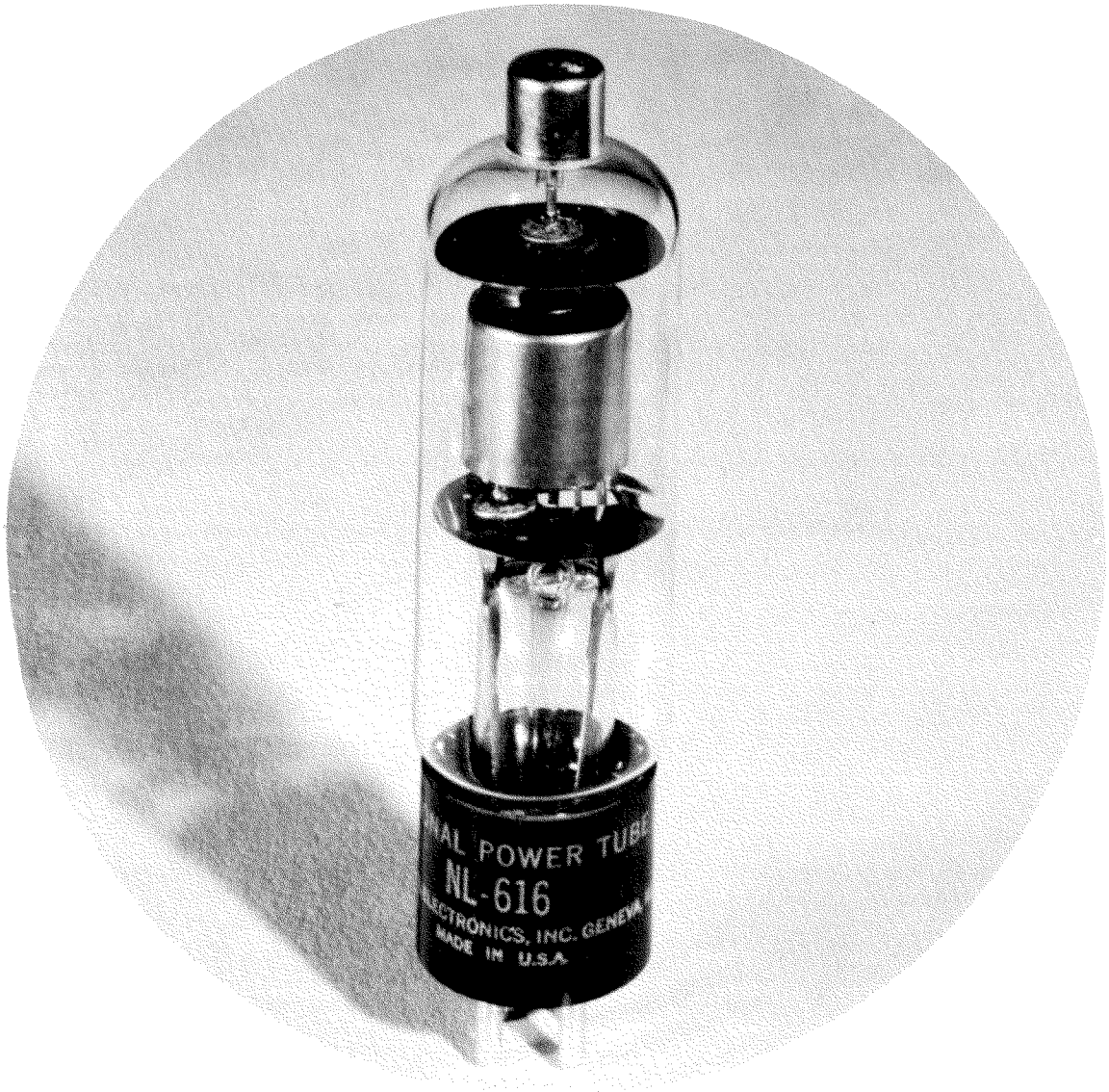
RECTIFIER TUBE

NL-616
RECTIFIER TUBE
2.5 Amperes dc — 30 Amperes Peak



NATIONAL POWER TUBE NL-616 is a sturdy rectifier tube designed especially for industrial power rectifier applications up to 600 volts dc. It is mercury and argon filled for efficiency, long life, and quick starting.

NATIONAL ELECTRONICS, INC.
GENEVA, ILLINOIS, U. S. A.

NL-616 RECTIFIER TUBE
TECHNICAL INFORMATION

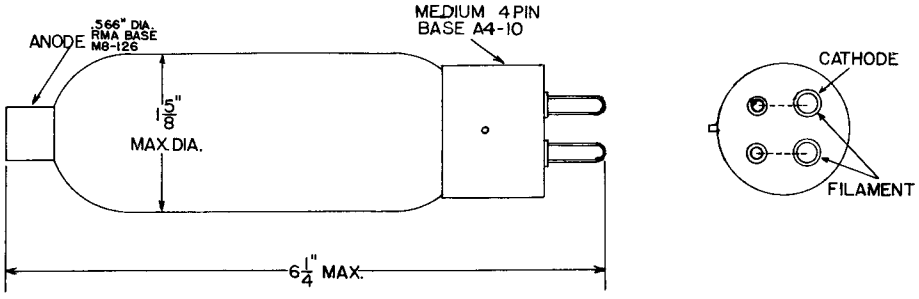
dc Amperes output (maximum)	2.5
Instantaneous Amperes output (maximum)	30
Maximum time of averaging anode current (seconds)	5
Maximum peak inverse volts	1250
Filament volts	2.5
Filament amperes	9 ± 2
Filament heating time (seconds)	20
Typical arc drop at 8 amperes peak (volts)	9
Typical Anode starting voltage (volts)	13
Maximum ac short circuit current (amperes)	300
Condensed mercury temperature limits (°C)*	+40 to +100
Approximate temperature rise, cond. mercury above ambient, full load, (°C)	30
Mounting position	vertical, base down
Net weight (ounces)	4
Approx. shipping weight (lbs.)	3

*The tube may be started and satisfactory operation will result between —40 and +100°C. For maximum life the condensed mercury temperature after warm-up should run between +40 and +100°C which corresponds to approximately +10 to +70°C ambient.

ALL DATA ARE BASED ON RETURNS TO FILAMENT CENTER TAP

LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING



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