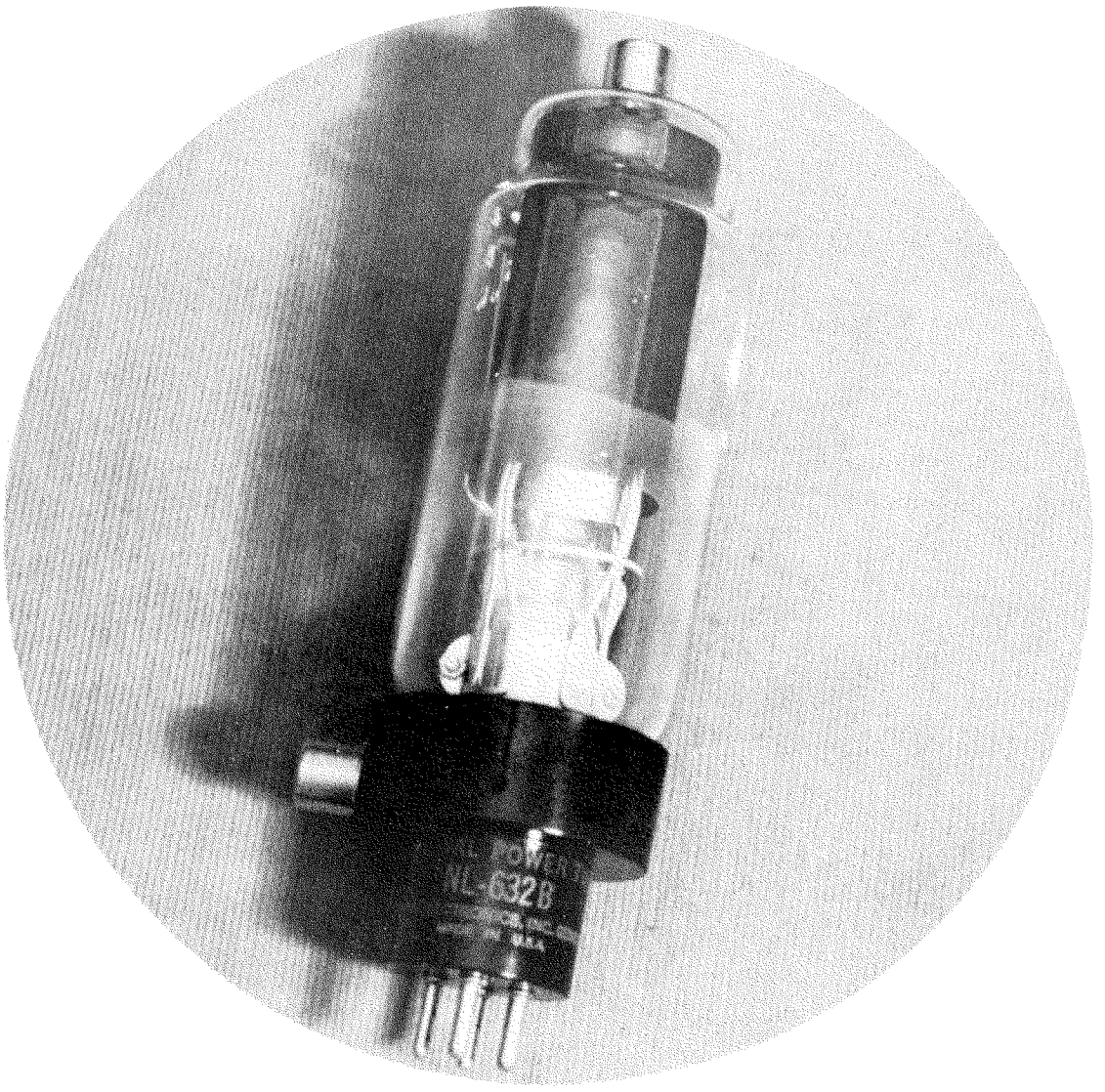
THYRATRON TUBES

NL-632B
THYRATRON TUBE
2.5 Amperes dc -- 30 Amperes Peak



ATIONAL POWER TUBE NL-632B is an indirectly heated cathode thyratron designed especially for con-
l, timing, and ignitor firing applicatons. The shield grid construction and mercury vapor filling give stable
ration even with high impedance grid supplies.

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

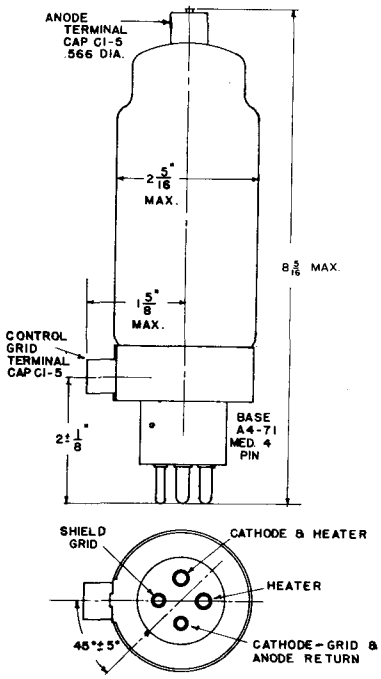
NL-632B THYRATRON TUBE
TECHNICAL INFORMATION

dc Amperes output (maximum)	2.5
Instantaneous Amperes output (maximum)	30
Maximum time of averaging anode current (seconds)	15
Maximum peak inverse volts	1500
Maximum peak forward volts	1500
Filament volts	5.0 ± .25
Filament amperes	4.7 ± .6
Heating time (seconds)	300
Typical arc drop at 10 amperes peak (volts)	12
Grid control characteristic	see curve
Maximum negative control grid voltage before conduction (volts)	1000
Maximum negative control grid voltage during conduction (volts)	10
Maximum negative shield grid voltage before conduction (volts)	300
Maximum negative shield grid voltage during conduction (volts)	5
Maximum control grid current (average amperes)	.25
Maximum control grid current (peak amperes)	1.0
Maximum shield grid current (average amperes)	.25
Maximum shield grid current (peak amperes)	1.0
Maximum critical control grid current (microamperes)	2.0
Ionization time (approx., microseconds)	10
Deionization time (approx., microseconds)	1000
Anode to control grid capacitance (uuf)	0.04
Cathode to control grid capacitance (uuf)	4.4
Maximum ac short circuit current (amperes)	150
Condensed mercury temperature limits (°C)	+40 to +80
Approximate temperature rise, cond. mercury above ambient (°C)	30
Mounting position	vertical, base down
Net weight (ounces)	8
Approx. shipping weight (lbs.)	4

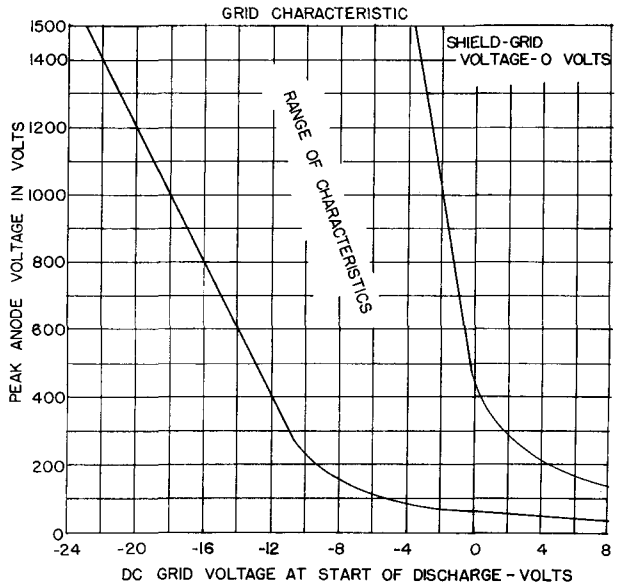
ALL DATA ARE BASED ON RETURNS TO CATHODE

LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING



GRID CHARACTERISTIC



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