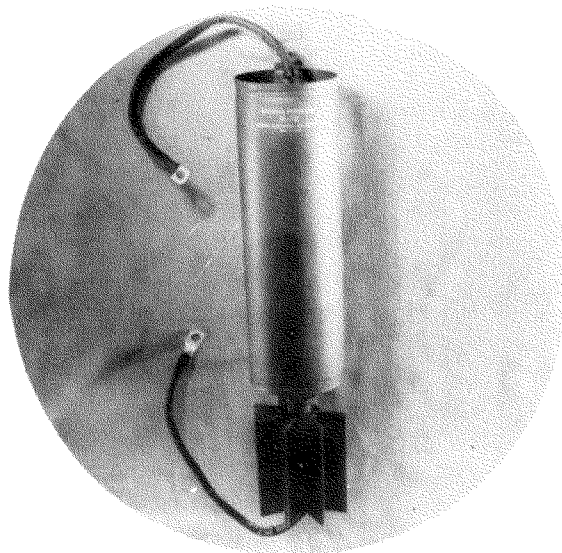


NL-732 THYRATRON TUBE

**30 Amperes dc – 225 Ampere peak
1500 Volts peak**

NATIONAL POWER TUBE NL-732 is a metal envelope thyatron designed especially for resistance welding and AC control applications. It is gas and mercury filled for quick starting and long life without circuit cushioning.



TECHNICAL INFORMATION

dc Amperes output (Maximum)	30	25
Instantaneous amperes output (Maximum)	160	225
Maximum time of averaging anode current (seconds)		30
Maximum peak inverse volts		1500
Maximum peak forward volts		1500
*Condensed mercury temperature limits (°C)		—40 to +80
Filament volts		2.5
Filament amperes		55 ± 5
Filament heating time (seconds)		180
Typical arc drop at 100 amperes peak (volts)		12
Grid control characteristics		See Curve
Maximum negative grid voltage before conduction (volts)		500
Maximum negative grid voltage during conduction (volts)		10
Maximum critical grid current (microamps)		10
Maximum dc grid current (amperes)		1
Ionization time (approx., microseconds)		10
Deionization time (approx. microseconds)		1000
Anode to grid capacitance (uuf) (approx.)		4
Maximum ac short circuit current (amperes)		2500
Approx. temp. rise, cond. mercury above ambient (°C)		30
Mounting position		Vertical, fin down
Net weight (pounds)		7
Approx. shipping weight (lbs.)		15

*The tube may be started and satisfactory operation will result between —40 and +80°C. For maximum life the condensed mercury temperature after warm-up should run between +40 and +80°C which corresponds to approximately +10 and +50°C ambient.

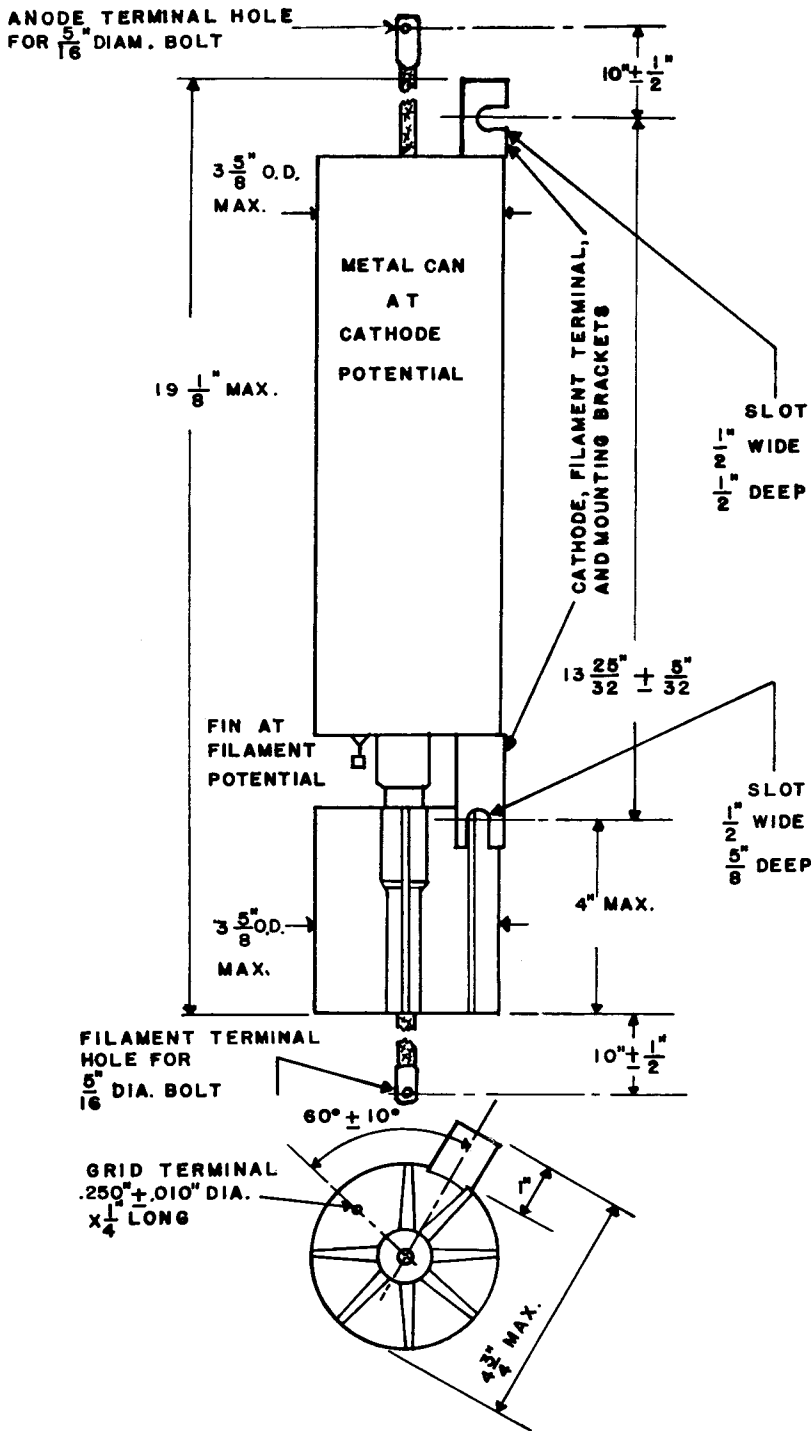
All data are based on returns to filament center tap or to tube bracket and with filament voltage phasing such that the lower filament terminal (lead) is positive when the anode is positive.

Printed in USA 11/57

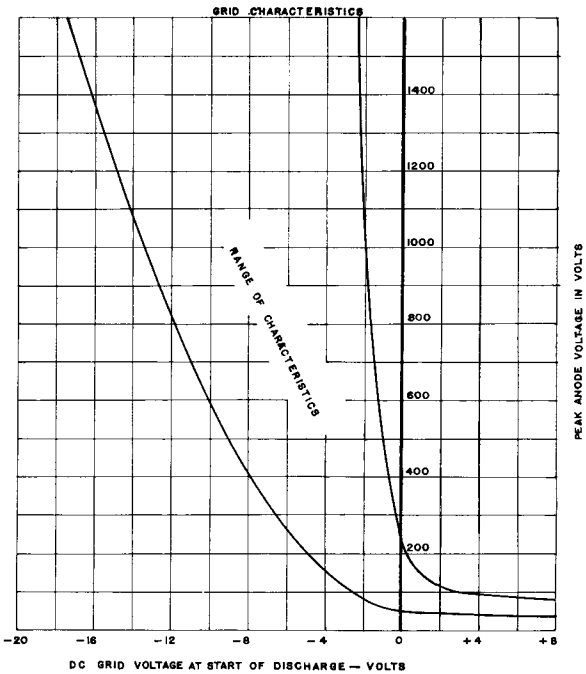
NATIONAL ELECTRONICS, INC.

GENEVA, ILLINOIS, U. S. A.

NL-732 THYRATRON TUBE



NL-732 OUTLINE



NL 732 GRID CHARACTERISTIC CAN RETURN FILAMENT PHASING AS NOTED IN DATA

