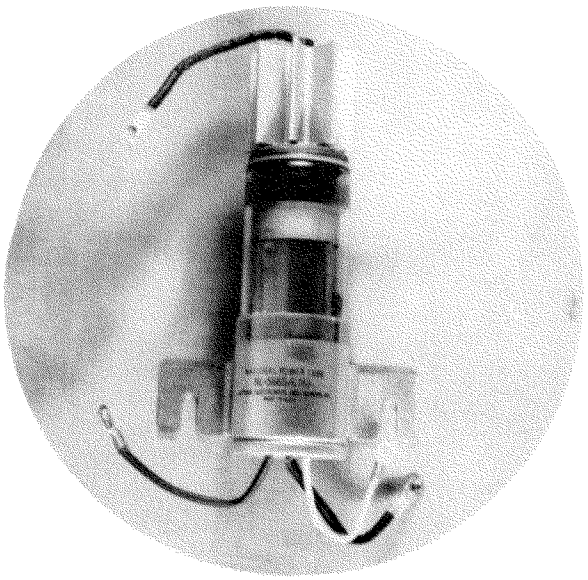
NL-5665/C16J THYRATRON TUBE

18 Amperes dc -- 160 Ampere peak
1250 Volts peak

National Power Tube NL-5665/C16J is a compact, quick heating thyratron designed for motor speed control and welding control applications. It is xenon filled for quick starting and the ability to operate within very wide temperature limits.



TECHNICAL INFORMATION

dc Amperes output (Maximum)	18 16
Instantaneous amperes output (Maximum)	100 160
Maximum time of averaging anode current (seconds)	4.5
Maximum peak inverse volts	1250
Maximum peak forward volts	1000
Max. commutation factor (V/usec. x A/usec.) at max. initial inverse voltage of 330 volts	0.66
Filament volts	2.5
Filament amperes	31 ± 3
Filament heating time (seconds)	60
Typical arc drop at 50 amperes peak (volts)	12
Grid control characteristic	See Curve
Maximum negative grid voltage before conduction (volts)	100
Maximum negative grid voltage during conduction (volts)	10
Maximum critical grid current (microamps)	10
Ionization time (approx., microseconds)	10
Deionization time (approx. microseconds)	1000
Anode to grid capacitance (uuf) (approx.)	8
Maximum ac short circuit current (amperes)	1000
Ambient temperature limits (°C)	—55 to +75
Mounting position	Vertical
Net weight (ounces)	32
Approx. shipping weight (lbs.)	3½

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP. Filament lead F— should be negative with respect to F+ during conduction period.

LIGHT FILAMENT BEFORE APPLYING LOAD.

Printed in USA 8-57 GR

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

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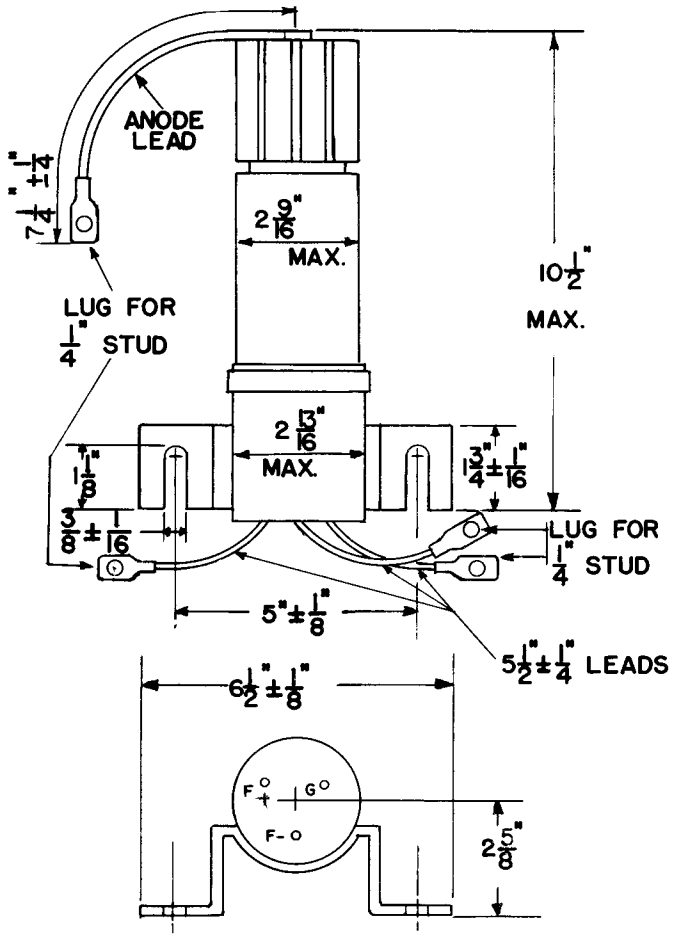

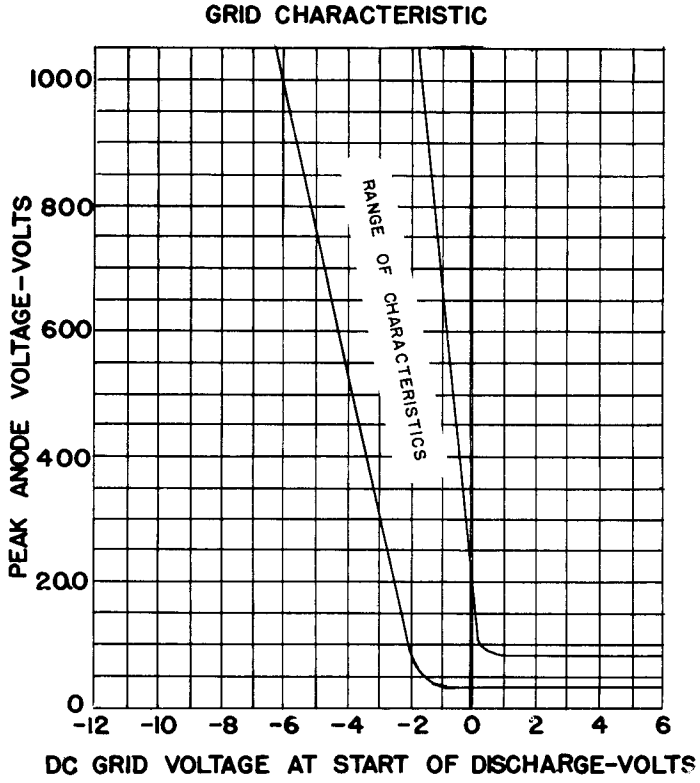

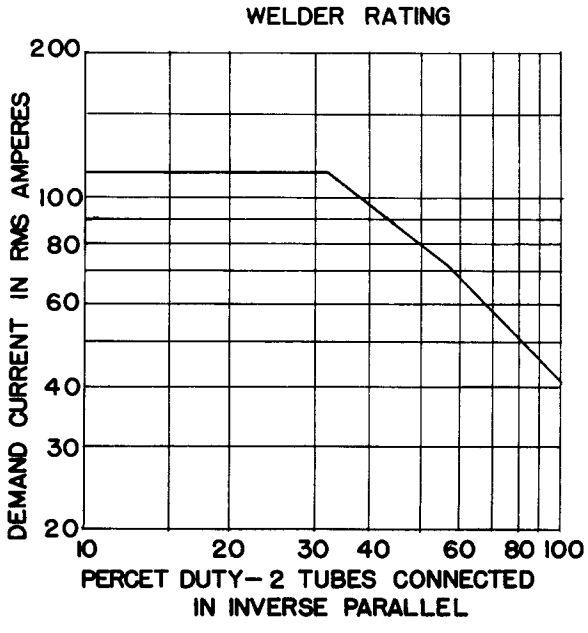

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