

ELECTRONS, INCORPORATED

127 SUSSEX AVENUE

RECTIFIER TUBES

NEWARK 4, N. J.

TYPE 5664 (C1B/A)

THYRATRON

GENERAL CHARACTERISTICS

A temperature free inert gas filled grid controlled triode designed for precise control.

ELECTRICAL

Filament-----	Coated
Voltage-----	2.5 volts
Current-----	6.3 $\pm$ 0.8 amps.
Heating Time-----	25 seconds
Average Tube Voltage Drop-----	8 volts
Grid Characteristics	
Maximum De-ionization Time-----	approx. 1 millisenond
Critical Grid Voltage at 750 peak fwd. volts--	-4.0 $\pm$ 2 volts
Critical Grid Current-----	less than 5 microamps.
Critical Anode Voltage @ +4 grid volts-----	30 volts
Maximum Negative Grid Voltage-----	100 volts
Grid to anode capacitance-----	approx. 2 u u f
Grid to Filament Capacitance-----	approx. 7.5 u u f

MECHANICAL

Type of Cooling-----	convection
Temperature Limits-----	-55 to +70°C
Mounting Position-----	Any
Basing Designation-----	3 G
Base-----	A4-10
Cap-----	C1-5 medium
Weight-----	3 oz.
Maximum Overall Dimensions	
Length-----	4 3/4 in.
Diameter-----	1 9/16 in.

MAXIMUM RATINGS

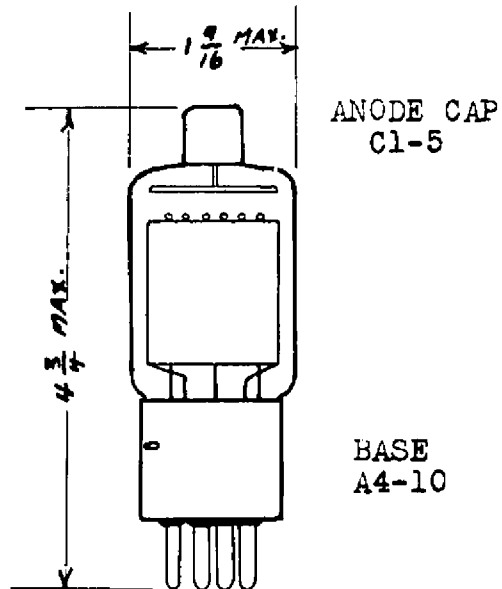
Peak Inverse Voltage-----	1250 volts
Peak Forward Voltage-----	750 volts
Peak Anode Current-----	8 amps.
Overload Average Anode Current Less Than 3 sec.----	1.5 amps.
Average Continuous Anode Current-----	1.0 amps.
AC Short-Circuit Current (0.1 sec.)-----	77 amps.

All values are for returns to the filament center tap.

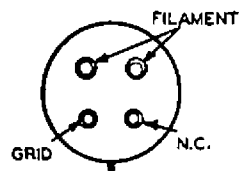
Sponsor: ELECTRONS, INC. Newark, New Jersey

Date: August 20, 1947

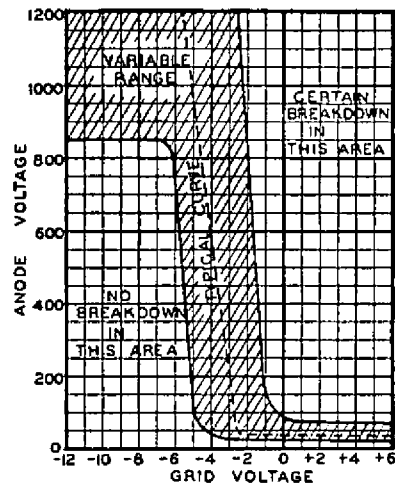
from RMA release #609, Sept. 25, 1947



OUTLINE
Thyratron 5664



BOTTOM VIEW
OF BASE



CONTROL CHARACTERISTICS

ELECTRONS, INC.
127 Sussex Ave.
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