

RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

ELECTRONIC
TUBE CHARACTERISTICS

TYPE 5C30

Release No. 394

November 30, 1944

(Grid Controlled Rectifier)

sponsored by
Electrons, Inc.

GENERAL CHARACTERISTICS

Filament	
Voltage	2.5 volts
Current	23 ± 3 amps
Heating Time	1 Min. (approx)
Ambient Temperature	-40°C to +65°C
Average Arc Drop	
Average Tube	9 volts
Highest tube or end of life	14 volts
Inter-electrode Capacitance (approx)	
Grid to anode	10 uuf
Grid to filament	10 uuf
Control Characteristics	
Critical Grid Voltage @ p.f.v.	-1.5 to 4.0
Critical grid current	less than 10 uamp
Maximum Negative Grid Voltage	100 volts
Starting Voltage (instantaneous)	
Average Tube	50 volts
Highest tube	200 volts
De-ionization Time (approx)	1 millisecond
Overall Dimensions	2-1/4" x 11-1/2" ± 1/2"
Weight	12.5 oz.
Connections	
Filament	Mogul Screw
Anode	High Prong (marked "P")
Grid	Low Prong (marked "G")
Max. Ratings	
D-C Output (Continuous)	5 amp
D-C Output (*Surges less than 3 seconds)	10 amp
Peak Output (Continuously recurring)	75 amp
Peak Forward Voltage (Instantaneous)	750 volts
Peak Inverse Voltage (Instantaneous)	1250 volts
A.C. Short Circuit Current (0.1 sec)	600 amp

*As observed on d-c meter

RMA TYPE 5C30

