

6X5
6X5-GT/G

6X5, 6X5-GT / G

FULL-WAVE HIGH-VACUUM RECTIFIER

Heater Voltage	Coated Unipotential Cathode	
Current	6.3	a-c or d-c volts amp.
	0.6	
	6X5	6X5-GT/G
Maximum Overall Length	3-1/4"	3-5/16"
Maximum Seated Height	2-11/16"	2-3/4"
Maximum Diameter	1-5/16"	1-5/16"
Bulb	Metal Shell, MT-8	
Base	{ Small Wafer	
	{ Octal 6-Pin	
	6S	
Basing Designation	{ Intermed. Sh.	
Pin 1 { 6X5, Shell	{ Octal 6-Pin	
Pin 2 { 6X5-GT/G, No Con.	G-6S	
Pin 3 - Heater	Pin 5 - Plate #1	
Pin 3 - Plate #2	Pin 7 - Heater	
	Pin 8 - Cathode	
Mounting Position	{ 6X5: Vertical	
	{ 6X5-GT/G: Any	

BOTTOM VIEW

Maximum Ratings Are Design-Center Values

FULL-WAVE RECTIFIER

Peak Inverse Plate Voltage	1250 max. volts
Peak Plate Current per Plate	210 max. ma.
D-C Output Current:	
With condenser input to filter	70 max. ma.
With choke input to filter	70 max. ma.
D-C Heater-Cathode Potential	450 max. volts

Typical Operation:

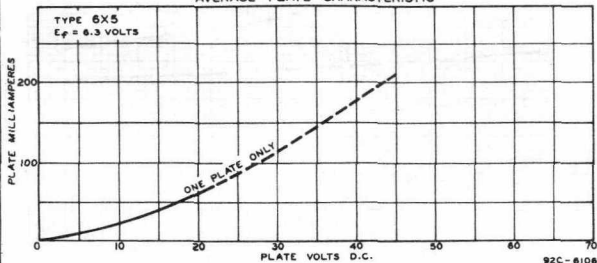
	Condenser- Input Filter	Choke- Input Filter
A-C Plate-to-Plate Supply Voltage (RMS)	650	900 volts
Filter Input Condenser	4	- μ f
Min. Total Effect. Plate-Supply Imped. per Plate	150	- ohms
Filter Input Choke	-	8 henries
D-C Output Current	70	70 ma.
D-C Voltage (At input to filter):*		
At half-load current (35 ma.)	405	385 volts
At full-load current (70 ma.)	370	380 volts
Difference (Voltage Regulation)	35	5 volts
Percentage Regulation	8.5	1.3 %

◇ Horizontal operation permitted if pins 3 & 5 are in a horizontal plane.

● For choke not less than 8 henries.

* Approximate values.

AVERAGE PLATE CHARACTERISTIC



Mar. 20, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

6X5



6X5

OPERATION CHARACTERISTICS

 $E_f = 6.3$ VOLTS

- CHOKE (L) INPUT TO FILTER:
L = 8 HENRIES (MIN.)
- CONDENSER (C) INPUT TO FILTER:
C = $4\mu\text{f}$; TOTAL EFFECT. PLATE-SUPPLY
IMPEDANCE PER PLATE = 150 OHMS

