

6X5
6X5-GT/G

6X5, 6X5-GT/G

FULL-WAVE HIGH-VACUUM RECTIFIER

Heater Voltage	Coated Unipotential Cathode	a-c or d-c volts
Current	6.3	amp.
	0.6	
Maximum Overall Length	6X5	6X5-GT/G
Maximum Seated Height	3-1/4"	3-5/16"
Maximum Diameter	2-11/16"	2-3/4"
Bulb	1-5/16"	1-5/16"
Base	Metal Shell, MT-8	T-9
Basing Designation	{ Small Wafer	{ Intermed. Sh.
Pin 1 { 6X5, Shell	Octal 6-Pin	Octal 6-Pin
Pin 1 { 6X5-GT/G, No Con.	6S	G-6S
Pin 2 - Heater		Pin 5 - Plate #1
Pin 3 - Plate #2		Pin 7 - Heater
Mounting Position		Pin 8 - Cathode
		{ 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:

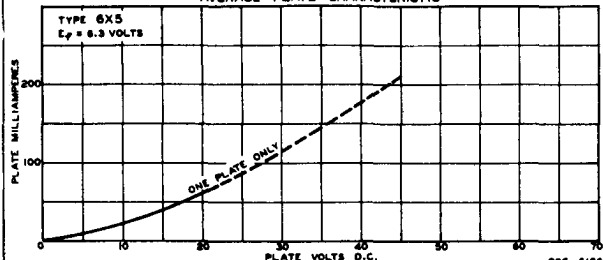
	Condenser- Input Filter	Choke- Input Filter
A-C Plate-to-Plate		
Supply Voltage (RMS)	650	900 volts
Filter Input Condenser	4	— μ f
Min. Total Effect. Plate- Supply Imped. per Plate	150	— ohms
Filter Input Choke	—	8 henries
D-C Output Current	70	70 ma.
D-C Voltage (At input to filter):*		
At half-load 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



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

DATA

6X5



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OPERATION CHARACTERISTICS

