

RADIO MANUFACTURERS ASSOCIATION



SUITE 701-4 AMERICAN BUILDING
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WASHINGTON, D. C.

SUB-COMMITTEE ON TUBE NUMBERING

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NEW YORK, N. Y.

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To Tube Engineers:

RMA Tube Standardization Re-
lease #73 re 5X4G, 5Y4G, 6B4G,
6K6G, 6R7G.

The Hygrade-Sylvania Corporation are announcing the
following glass enveloped octal based tube types:

5X4G (Equivalent to type 5Z3 with octal
base. Filaments connected to pins
7 and 8, plates to pins 3 and 5.
All eight pins used in base.)

5Y4G (Equivalent to type 80 with same
basing as type 5X4G.)

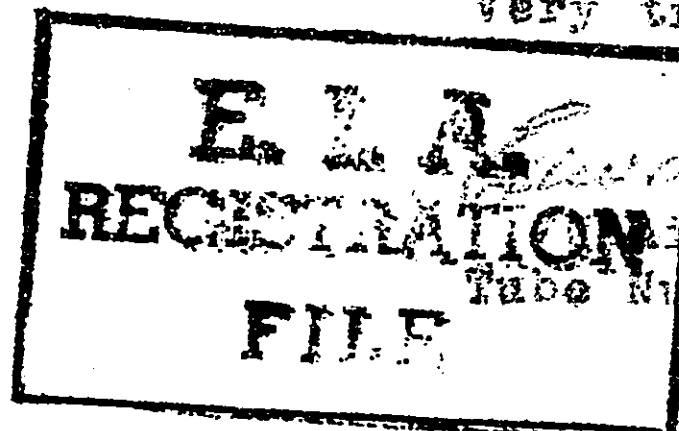
6B4G ((Equivalent to type 6A3 on octal
base. Filaments to pins 2 and 7,
plate to pin 3, and grid to pin 5.
All eight pins used in base.)

6K6G (Equivalent to type 41 on octal
base.)

6R7G (Equivalent to type 6R7.)

As these types are well known in the industry, we
do not believe that the forwarding of samples will
be necessary.

Very truly yours,



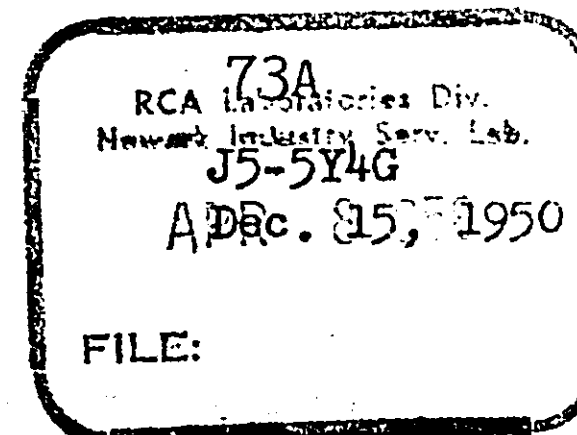
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Chairman
Tube Numbering

JETEC DATA
JOINT ELECTRON TUBE ENGINEERING COUNCIL
COMMITTEE ON RECEIVING TUBES

JETEC TYPE 5Y4G

DOUBLE-DIODE



MECHANICAL DATA

Coated filament		
Outline drawing.	14-3	Bulb. ST-14
Base		B8-11 medium shell octal 8-pin
Maximum diameter		1-13/16"
Maximum overall length		4-5/8"
Maximum seated height.		4-1/16"
Pin connections.		Basing 5Q
Pin 1 - No connection		Pin 5 - #1 Diode plate
Pin 2 - No connection		Pin 6 - No connection
Pin 3 - #2 Diode plate		Pin 7 - Filament
Pin 4 - No connection		Pin 8 - Filament

Mounting position. Vertical*

*Horizontal operation permitted if pins #2 and #7 are in horizontal plane.

ELECTRICAL DATA

Ratings

Filament voltage (ac or dc).	5.0	volts
Maximum peak inverse voltage	1400	volts
Maximum AC plate supply voltage each plate (rms)	See chart	
Maximum steady-state peak plate current each plate	375	ma
Maximum transient peak plate current each plate.	2.2	amperes
Tube voltage drop (measured with tube conducting 125 ma. each plate.	60	volts
Maximum steady-state DC output current each plate.	See chart	

Typical Operation (Full Wave Rectifier)

	<u>Input to Filter</u>		
	<u>Capacitor</u>	<u>Choke</u>	
Filament voltage.	5.0	5.0	volts
Filament current.	2.0	2.0	amperes
AC plate supply voltage each plate.	350	500	volts
Input condenser	10	-	μf
Input choke	-	10	henrys
Effective plate supply impedance each plate	50	-	ohms
DC output current	125	125	ma
DC output voltage	350	390	volts

Refer to "Interpretation of Receiving Tube Ratings"

