

TUBE TYPE 6X6G
ELECTRON-RAY TUBE
INDICATOR TYPE

Heater			Coated Unipotential Cathode
Voltage	6.3		A.C. or D.C. volts
Current	0.3		Ampere

Maximum Overall Length 4"

Maximum Diameter 1-9/16"

Bulb ST12

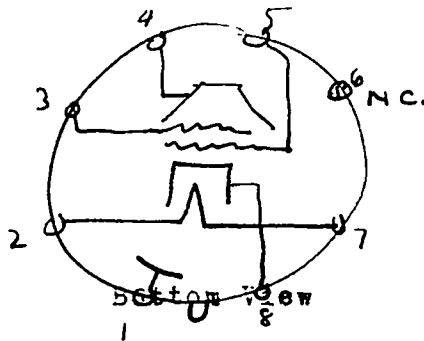
Base Small Octal Shell 7 pin

Pin 1 Shell

Pin 2 Heater

Pin 3 Vane Grid

Pin 4 Target



Pin 5 Control Grid

Pin 7 Heater

Pin 8 Triode Cathode

Typical Operating Condition

Heater	6.3 volts	6.3 volts
Target	250 volts	250 volts
Vane Grid	135 volts	135 volts
Control Grid	0 volts	-8 volts
Target Current	2 ma.	0 ma.
Illuminated Angle	300 degrees	0 degrees

The type 6X6G is the same as Type 6S5 except that an Octal Shell Base is used instead of a small six pin base.

The type 6S5 is a high-vacuum voltage indicating Electron discharge tube designed to indicate visually the effect of change in the controlling voltage. For different controlling voltages, the shaded pattern produced on the fluorescent target varies through an angle from 60 degrees to 360 degrees.

Tentative Data

RADIO MANUFACTURERS ASSOCIATION
 Suite 701-4 American Building
 1317 F Street, N. W.
 Washington, D. C.

SUB-COMMITTEE ON TUBE NUMBERING

E. W. Wilby, Chairman
 711 Fifth Avenue
 New York, N. Y.

June 14th, 1937

Re: Release #111 Revision of tube
 type 6X6G

To Tube Engineer:

Through production studies it has been found necessary to revise the tube type 6X6G in order to have a target cathode. The data as listed below will provide you with information as supplied by the Rogers Radio Tubes Limited of Canada.

Heater	Coated Unipotential Cathode
Voltage	6.3 AC or DC Volts
Current	0.3 Amperes
Maximum Overall Length	4"
Maximum Diameter	1-9/16"
Bulb	ST-12
Base	Small Octal Shell 8 Pin

Pin No. 1: Shell	Pin No. 5: Control Grid
Pin No. 2: Heater	Pin No. 6: Target Cathode
Pin No. 3: Vane & Triode Plate	Pin No. 7: Heater
Pin No. 4: Target	Pin No. 8: Triode Cathode

Typical Operating Conditions

Heater	6.3	6.3	volts
Target Cathode	50	50	volts
Target	250	250	volts
Vane & Triode Plate (through 1 meg. resistor	250	250	volts
Control Grid	0	-12	volts
Target Current	4	4	ma.
Illuminated Angle	120	360	degrees

The type 6X6G is a High-Vacuum Voltage Indicating Electron Discharge Tube designed to indicate visually the effect of change in the controlling voltage. For different controlling voltages, the shaded pattern produced on the fluorescent target varies through an angle from 240 degrees to 0 degrees.

Very truly yours,

EDWARD W. WILBY
 Chairman
 Tube Numbering

eww:lg