TUBE TYPE 6X6G

ELECTRON-RAY TUBE

INDICATOR TYPE

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

Maximum Overall Length 4"

Maximum Diameter 1-9/16"

Bulb ST12

Base Small Octal Shell 7 pin

Pin 1 Shell Pin 5 Control Grid
Pin 2 Heater
Pin 3 Vane Grid Pin 7 Heater
Pin 4 Target Pin 8 Triode Cathode

Typical Operating Condition

Heater 6.7 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

from RMA release #111, April 1, 1937
sponsored by Rogers Radio Tubes Ltd., Toronto, Canada
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. 2: Heater  
Pin No. 3: Vane & Triode Plate  
Pin No. 4: Target  
Pin No. 5: Control Grid  
Pin No. 6: Target Cathode  
Pin No. 7: Heater  
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