RMA Release #231 Feb. 2, 1940

HYGRADE SYLVANIA CORPORATION

TECHNICAL DATA

SYLVANIA TYPE 50Y6G

High-Vacuum Rectifier-Doubler

Physical Specifications

Coated Unipotential Cathode

Base Bulb Maximum Diameter Maximum Overall Length Maximum Seated Height Pin Connections Pin 1 - No Connection Pin 2 - Heater Pin 3 - Plate #2 Pin 4 - Cathode #2	Pin 5 - Plate #1 Pin 7 - Heater Pin 8 - Cathode #1	Small Shell ST-12 1 9/16" 4 1/8" 3 9/16" Basing No. 7	·
Mounting Position		Any	
Ratings			
Heater Voltage (ac or dc) Heater Current Maximum AC Voltage per plate (RMS) Maximum DC Heater to Cathode Potential Maximum Peak Inverse Voltage Maximum Steady-State Peak Plate Current per Plate DC Voltage Drop per plate at 150 ma		50 0•15 235 350 700 450 22	volts amp volts volts volts ma volts
Typical Operating Conditions			
Voltage Doubler Heater Voltage AC Voltage per Plate (RMS) DC Output Current per Plate Minimum Total Effective Plate Supplement per Plate Impedance per Plate		50 117 Max	volts volts ma ohms
Half-Wave Rectifier			
Heater Voltage 50 AC Voltage per Plate (RMS) 11 DC Output Current per Plate 79 Minimum Total Effective Plate 19 Supply Impedance per Plate #	7 1 50 5 Max 75 Me	50 235 Max x 75 Max 100	volts volts ma ohms

#When filter condensers larger than 40 mfds are used, it may be necessary to add additional plate supply impedance.