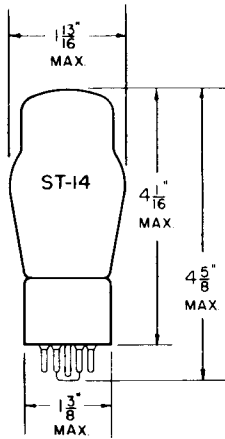


TUNG-SOL

DOUBLE DIODE



GLASS BULB

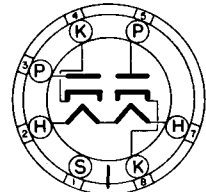
COATED UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 0.3 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
MEDIUM SHELL
7 PIN OCTAL

70

THE 50AX6G IS A FULL-WAVE HIGH VACUUM RECTIFIER DESIGNED FOR DAMPER SERVICE IN TELEVISION DEFLECTION CIRCUITS. IT CAN ALSO BE USED IN CONVENTIONAL RECTIFIER APPLICATIONS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD WB-210

| | | |
|--|------|-------|
| HEATER VOLTAGE | 50 | VOLTS |
| HEATER CURRENT | 0.3 | AMP. |
| MAXIMUM HEATER-CATHODE VOLTAGE: | | |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | 450 | VOLTS |
| HEATER POSITIVE WITH RESPECT TO CATHODE | 100 | VOLTS |
| MAXIMUM PEAK INVERSE VOLTAGE (PER PLATE): | | |
| RECTIFIER SERVICE | 1250 | VOLTS |
| DAMPER SERVICE ^A | 2000 | VOLTS |
| MAXIMUM STEADY STATE PEAK PLATE CURRENT EACH PLATE | 600 | MA. |
| MAXIMUM STEADY STATE DC OUTPUT CURRENT EACH PLATE | 125 | MA. |
| TUBE VOLTAGE DROP (MEASURED WITH TUBE CONDUCTING 250 MA. EACH PLATE) | 21 | VOLTS |

^A THE DURATION OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL WAVE RECTIFIER - CONDENSER INPUT

| | | |
|--|-----|-------|
| AC VOLTAGE EACH PLATE (RMS) | 350 | VOLTS |
| DC OUTPUT CURRENT | 250 | MA. |
| MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE EACH PLATE ^B | 145 | OHMS |
| DC OUTPUT VOLTAGE AT INPUT TO FILTER (APPROX.): | | |
| AT HALF-LOAD CURRENT OF 125 MA. | 395 | VOLTS |
| AT FULL-LOAD CURRENT OF 250 MA. | 350 | VOLTS |

^B WHEN FILTER CAPACITORS LARGER THAN 40 μF ARE USED IT MAY BE NECESSARY TO INCREASE PLATE SUPPLY IMPEDANCE ABOVE THE VALUE SHOWN.

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PLATE
2440
JULY 1
1950