THE 6BY5G 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 MB-230

- HEATER VOLTAGE: 6.3 VOLTS
- HEATER CURRENT: 1.6 AMP.
- MAXIMUM HEATER-CATHODE VOLTAGE:
  - HEATER NEGATIVE WITH RESPECT TO CATHODE: 600 VOLTS
  - HEATER POSITIVE WITH RESPECT TO CATHODE: 100 VOLTS
- MAXIMUM PEAK INVERSE VOLTAGE (EACH PLATE):
  - RECTIFIER SERVICE: 1400 VOLTS
  - DAMPER SERVICE: 2500 VOLTS
- MAXIMUM STEADY STATE PEAK PLATE CURRENT (EACH PLATE): 525 MA.
- MAXIMUM DC OUTPUT CURRENT: 175 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FLL-WAVE RECTIFIER - CONDENSER INPUT

- AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS: 375 VOLTS
- FILTER INPUT CONDENSER: 8 μF
- EFFECTIVE PLATE SUPPLY IMPEDANCE (EACH PLATE): 100 OHMS
- DC OUTPUT VOLTAGE: 380 VOLTS
- DC OUTPUT CURRENT: 175 MA.
- TUBE VOLTAGE DROP MEASURED WITH TUBE CONDUCTING 175 MA. EACH PLATE: 32 VOLTS

* THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 25% OF ONE SCANNING CYCLE AND ITS DURATION MUST BE LIMITED TO 10 MICROSECONDS.