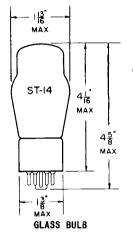
## DOUBLE DIODE



COATED UNIPOTENTIAL CATHODE

HEATER 6.3 VOLTS

1.6 AMP. AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW MEDIUM SHELL 7 PIN OCTAL 6CN

THE 6BY5G IS A FULL-WAVE HIGH-VACUUM RECTIFIER DESIGNED FOR DAMPER SER-VICE IN TELEVISION DEFLECTION CIRCUITS. IT CAN ALSO BE USED IN CONVEN-TIONAL RECTIFIER APPLICATIONS.

## RATINGS INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE HEATER CURRENT	6.3 1.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE: HEATER NEGATIVE WITH RESPECT TO CATHODE HEATER POSITIVE WITH RESPECT TO CATHODE	450 100	VOLTS VOLTS
MAXIMUM PEAK INVERSE VOLTAGE (EACH PLATE): RECTIFIER SERVICE DAMPER SERVICEA	1400 2500	VOLTS VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT (EACH PLATE)	525	MA.
MAXIMUM DC OUTPUT CURRENT	175	MA.

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

## FULL-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	380 175	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 15% OF ONE SCANNING CYCLE AND ITS DURA-TION MUST BE LIMITED TO 10 MICROSECONDS.