DUPLEX-DIODE TRIODE
SINGLE-ENDED METAL TYPE

Heater Coated Unipotential Cathode
Voltage 6.3 a-c or d-c volts
Current 0.3 amp.

Direct Interelectrode Capacitances-Triode Unit:
Grid to Plate 2.4 μf
Grid to Cathode 3.6 μf
Plate to Cathode 2.8 μf

Maximum Overall Length 2-5/8"
Maximum Seated Height 2-1/16"
Maximum Diameter 1-5/16"

Bulb Metal Shell, MT-8
Base Small Wafer Octal 8-Pin
Pin 1-Shell Pin 5-Diode Plate #1
Pin 2-Triode Grid Pin 6-Triode Plate
Pin 3-Cathode Pin 7-Heater
Pin 4-Diode Plate #2 Pin 8-Heater

Mounting Position Any

BOTTOM VIEW (8Q)

TRIODE UNIT - Class A Amplifier
Plate Voltage 250 max. volts
Plate Dissipation 2.5 max. watts

Typical Operation with Transformer Coupling:
Plate 250 volts
Grid -9 volts
Amp. Fact. 16
Plate Res. 8500 ohms
Transconductance 1900 μmhos
Plate Cur. 9.5 ma.
Load Res. 10000 ohms
Power Output 300 mw

Typical Operation with Resistance Coupling:
See RESISTANCE-COUPLED AMPLIFIER CHART, Type 6R7.

DIODE UNITS - TWO

For consideration of these units, see Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6SR7 is not suitable. Diode curves under Type 6B7 apply to the 6SR7.

In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

With shell connected to cathode. Values are approximate.

An additional curve applying to the 6SR7 is shown under Type 6R7.