



DUPLEX-DIODE TRIODE

SINGLE-ENDED METAL TYPE

Heater [■] Coated Unipotential Cathode
 Voltage 6.3 a-c or d-c volts
 Current 0.15 amp.

Direct Interelectrode Capacitances (Approx.):⁰

Triode Unit:

Grid to Plate	1.5	μf
Grid to Cathode	2.8	μf
Plate to Cathode	3.0	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 2 - Triode Grid

Pin 3 - Cathode

Pin 4 - Diode Plate #2



Pin 5 - Diode Plate #1

Pin 6 - Triode Plate

Pin 7 - Heater

Pin 8 - Heater

Mounting Position Any

BOTTOM VIEW (8Q)

TRIODE UNIT

Plate Voltage 250 max. volts

Plate Dissipation 2.5 max. watts

Characteristics - Class A₁ Amplifier:

Plate 250 volts

Grid -9 volts

Amp. Fact. 16

Plate Res. 8500 ohms

Transcond. 1900 μmhos

Plate Cur. 9.5 ma.

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 6ST7 is not suitable. Diode curves under Type 6B7 apply to the 6ST7.

⁰ With shell connected to cathode.

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

6ST7



6ST7

AVERAGE PLATE CHARACTERISTICS TRIODE UNIT

