RMA Release # 288

6ST7

DUPLEX-DIODE TRIODE
Single-Ended Metal Type
(TENTATIVE DATA)

Ratings are to be interpreted according to RMA Standard M8-210 (Jan. 8, 1940 Rev. 11-40)

HEATER VOLTAGE (A.C. or D.C.)	6.3	Volts
HEATER CURRENT	0.15	Ampere
DIRECT INTERELECTRODE CAPACITANCES - Triode Unit (Approx.): [o]		
Grid to Plate [C_{gp}]	1.5	μμf
Grid to Cathode [$C_{g(h+k+shell)}$]	2.8	μμf
Plate to Cathode [$C_{p(h+k+shell)}$]	3.0	μμf
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	
MOUNTING POSITION	Any	

[o] With shell connected to cathode.

Triode Unit

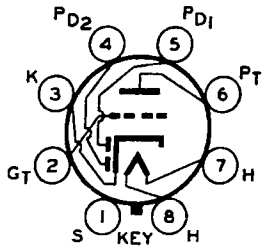
PLATE VOLTAGE	250 max.	Volts
PLATE DISSIPATION	2.5 max.	Watts
CHARACTERISTICS - Class A_1 Amplifier:		
Plate Voltage	250	Volts
Grid Voltage	-9	Volts
Amplification Factor	16	
Plate Resistance	8500	Ohms
Transconductance	1900	Micromhos
Plate Current	9.5	Milliamperes

Diode Units - Two

The two diode plates are placed at one end of a cathode, the sleeve of which is common to the triode unit. Diode biasing of the triode unit of the 6ST7 is not suitable.

Bottom View of Socket Connections

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



8Q

December 1, 1941