TENTATIVE DATA

12SR7GT

TUNG-SOL

DUO-DIODE TRIODE

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS	
BASE INTERMEDIATE SHELL OCTAL 8-PIN	PIN 1 NO CONN.	PIN 7 HEATER
CAP NONE	PIN 2 TRIODE GRID	PIN 8 HEATER
BULB T-9 GLASS	PIN 3 CATHODE AND DIODE SHIELD	
MAXIMUM DIAMETER 1 5/16"	PIN 4 DIODE PLATE-RIGHT	
MAXIMUM OVERALL LENGTH 3 5/16"	PIN 5 DIODE PLATE-LEFT	
MAXIMUM SEATED HEIGHT 2 3/4"	PIN 6 TRIODE PLATE	

RATINGS

HEATER OR FILAMENT VOLTAGE	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM SCREEN VOLTAGE		VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS
MAXIMUM SCREEN DISSIPATION		WATTS

FOR INTERPRETATION OF RATINGS, SEE "RECEIVING TUBE RATINGS" (CS-1800)

CAPACITANCES (WITH STANDARD RMA SHIELD M8-308)

CONTROL GRID TO CATHODE	3.5	μμf
PLATE TO CATHODE	3.8	μμf
GRID TO PLATE	2.3	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER TRIODE SECTION

HEATER OR FILAMENT VOLTAGE	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMPS.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE		VOLTS
GRID BIAS [A]	-9	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
PLATE CURRENT	9.5	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE	8500	OHMS
TRANSCONDUCTANCE	1900	μMHOS
AMPLIFICATION FACTOR	16	

[A] THE D-C RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 1.0 MEGOHM UNDER RATED MAXIMUM CONDITIONS.

PRINTED IN U. S. A.

PLATE
1320-1
SEPT. 23
1943