TENTATIVE DATA 6SZ7

TUNG-SOL

DUPLEX-DIODE HIGH-MU TRIODE

PHYSICAL SPECIFICATIONS

EMITTER UNIPOTENTIAL CATHODE	PIN CONNECTIONS	
BASE SMALL WAFER OCTAL 8-PIN	PIN 1 SHELL	PIN 7 HEATER
CAP ———	PIN 2 TRIODE GRID	PIN 8 HEATER
BULB MT-8G	PIN 3 CATHODE	
MAXIMUM DIAMETER 1 5/16"	PIN 4 D_P 2	MOUNTING POS. ANY
MAXIMUM OVERALL LENGTH 2 5/8"	PIN 5 D_P 1	
MAXIMUM SEATED HEIGHT 2 1/16"	PIN 6 TRI. PLATE	

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER OR FILAMENT VOLTAGE (AC OR DC)	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE		VOLTS
MAXIMUM PLATE DISSIPATION		WATTS
MAXIMUM SCREEN DISSIPATION		WATTS
MAXIMUM PEAK HEATER CATHODE VOLTAGE:		
HEATER POS. WITH RESPECT TO CATHODE	90	VOLTS
HEATER NEG. WITH RESPECT TO CATHODE	90	VOLTS

CAPACITANCES - TRIODE UNIT (APPROX.)

WITH SHELL CONNECTED TO CATHODE

CONTROL GRID TO CATHODE	2.6	μμf
PLATE TO CATHODE	2.8	μμf
GRID TO PLATE	1.1	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE (AC OR DC)	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE		VOLTS
CONTROL GRID VOLTAGE	-3	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
PLATE CURRENT	1	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE (APPROX.)	58 000	OHMS
TRANSCONDUCTANCE	1 200	μMHOS
AMPLIFICATION FACTOR	70	
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS
CONTROL GRID VOLTAGE FOR TRANSCONDUCTANCE μMHOS		VOLTS

DIODE UNITS - TWO

THE TWO DIODE PLATES ARE PLACED AROUND A CATHODE, THE SLEEVE OF WHICH IS COMMON TO THE TRIODE UNIT. EACH DIODE PLATE HAS ITS OWN BASE PIN.

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PLATE 1685
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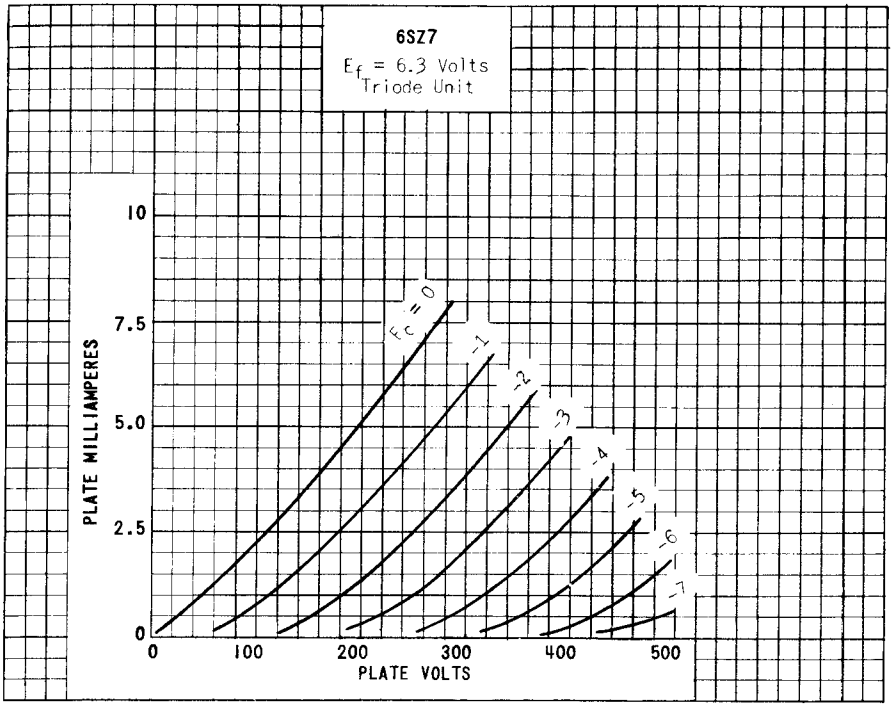
6SZ7



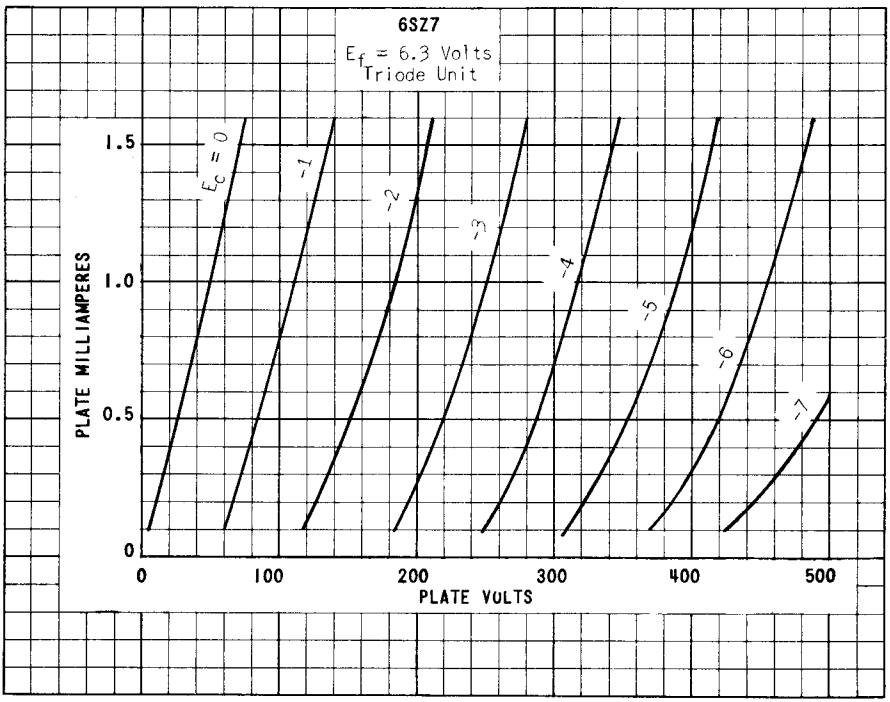


PLATE
1686
FEB. 15
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