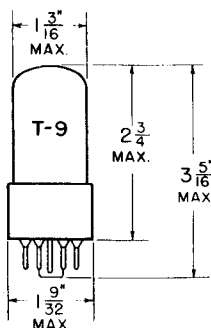


## TUNG-SOL

## DOUBLE TRIODE



GLASS BULB

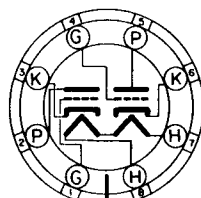
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.6 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL  
8 PIN OCTAL

880

THE 6SN7GTA IS A MEDIUM-MU TRIODE INTENDED FOR USE AS A COMBINED VERTICAL OSCILLATOR AND VERTICAL DEFLECTION AMPLIFIER IN TELEVISION RECEIVERS. IT IS ELECTRICALLY EQUIVALENT TO THE 6SN7GT BUT IT HAS HIGHER VOLTAGE AND DISSIPATION RATINGS AS COMPARED TO THE 6SN7GT.

## DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

	SECTION 1	SECTION 2	
GRID TO PLATE: (G TO P)	3.8	4	$\mu\text{f}$
INPUT: G TO (H+K)	2.8	3	$\mu\text{f}$
OUTPUT: P TO (H+K)	0.8	1.2	$\mu\text{f}$

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-220

EACH TRIODE UNIT

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	200	VOLTS
MAXIMUM PLATE VOLTAGE	500	VOLTS
MAXIMUM PEAK POSITIVE SURGE PLATE VOLTAGE <sup>A</sup>	1250	VOLTS
MAXIMUM DC GRID VOLTAGE	-50	VOLTS
MAXIMUM PEAK NEGATIVE SURGE GRID VOLTAGE <sup>A</sup>	200	VOLTS
MAXIMUM PLATE DISSIPATION (EACH PLATE)	5	WATTS
MAXIMUM PLATE DISSIPATION (BOTH PLATES)	7.5	WATTS
MAXIMUM GRID CIRCUIT RESISTANCE: WITH CATHODE OR FIXED BIAS	1	MEG OHM
WITH CATHODE BIAS RESISTOR OF 470 OHMS (MIN.)	2.5	MEG OHMS

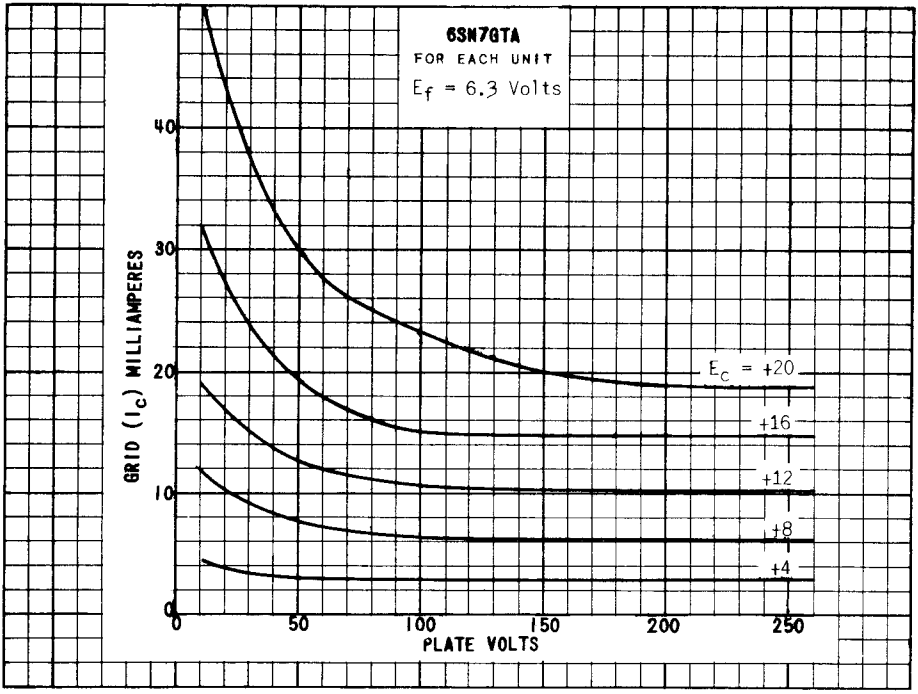
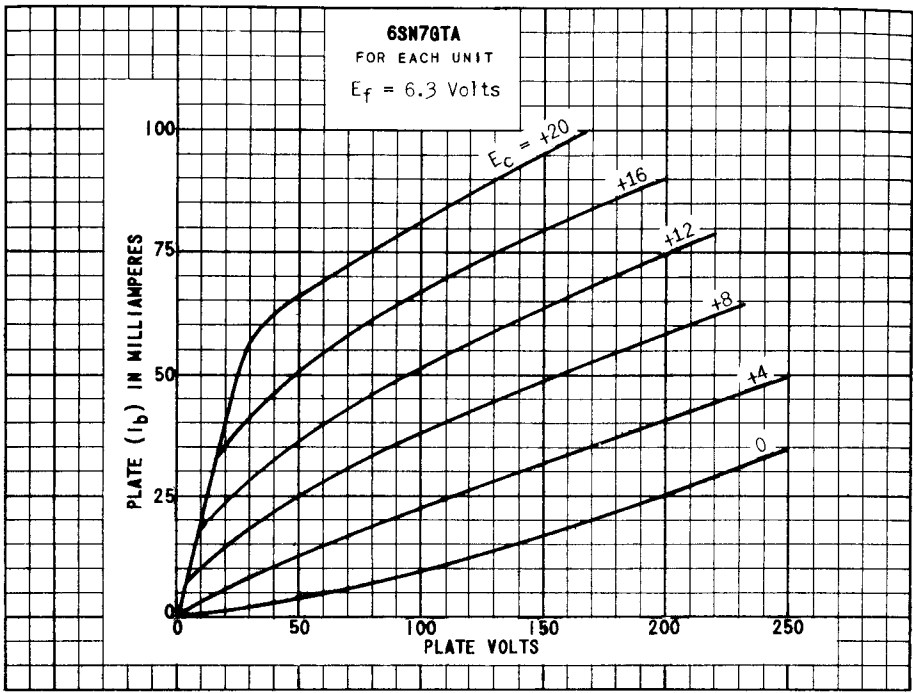
<sup>A</sup> THE DURATION OF THE VOLTAGE PULSE MUST NOT EXCEED 15 PERCENT OF ONE SCANNING CYCLE. IN A 525-LINE, 30-FRAME SYSTEM, 15 PERCENT OF ONE SCANNING CYCLE IS 2.5 MILLISECONDS.

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER - EACH TRIODE UNIT

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	0.6	0.6	AMP.
PLATE VOLTAGE	90	250	VOLTS
GRID BIAS VOLTAGE	0	-8	VOLTS
PLATE CURRENT	10	9	MA.
PLATE RESISTANCE	6 700	7 700	OHMS
AMPLIFICATION FACTOR	20	20	
TRANSCONDUCTANCE	3 000	2 600	$\mu\text{MHOS}$
GRID VOLTAGE (APPROX.) FOR $I_b = 10 \mu\text{A}$ .	—	-18	VOLTS





PRINTED IN U. S. A.

PLATE  
2526  
DEC. 1  
1950

# 6SN7GTA

