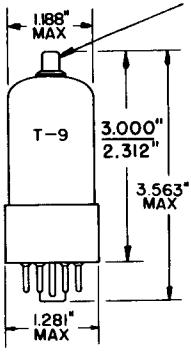
TUNG-SOL

TRIPLE DIODE TRIODE



GLASS BULB

INTERMEDIATE SHELL
8 PIN OCTAL B8-6

OR

SHORT INTERMEDIATE SHELL
8 PIN OCTAL B8-58

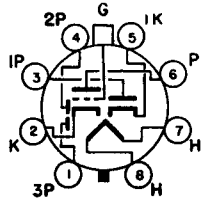
OUTLINE DRAWING
JEDEC 9-23 OR 9-48

FOR USE

IN AM/FM RECEIVERS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



BOTTOM VIEW

BASING DIAGRAM

JEDEC 8CB

THE 6S8GT COMBINES IN ONE ENVELOPE A HIGH-MU TRIODE AND THREE SEPARATE DIODES. ONE OF THE THREE DIODES HAS A SEPARATE CATHODE PERMITTING USE AS A BALANCED DISCRIMINATOR OR DETECTOR. IN COMBINATION FM/AM RECEIVERS THIS TUBE PROVIDES THE NECESSARY ELEMENTS FOR DETECTION OF BOTH TYPES OF SIGNAL WITHOUT NEED FOR ADDITIONAL SWITCHING.

DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD 308 CONNECTED TO PIN 2

GRID TO ANY DIODE PLATE: (G TO P)	MAX.	0.005	pf
DIODE INPUT: (EACH UNIT): (DP TO H+K)	APPROX.	1.0	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	300	MA.
MAXIMUM HEATER-CATHODE VOLTAGE			90	VOLTS
LIMITS OF APPLIED VOLTAGE			6.3±0.6	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

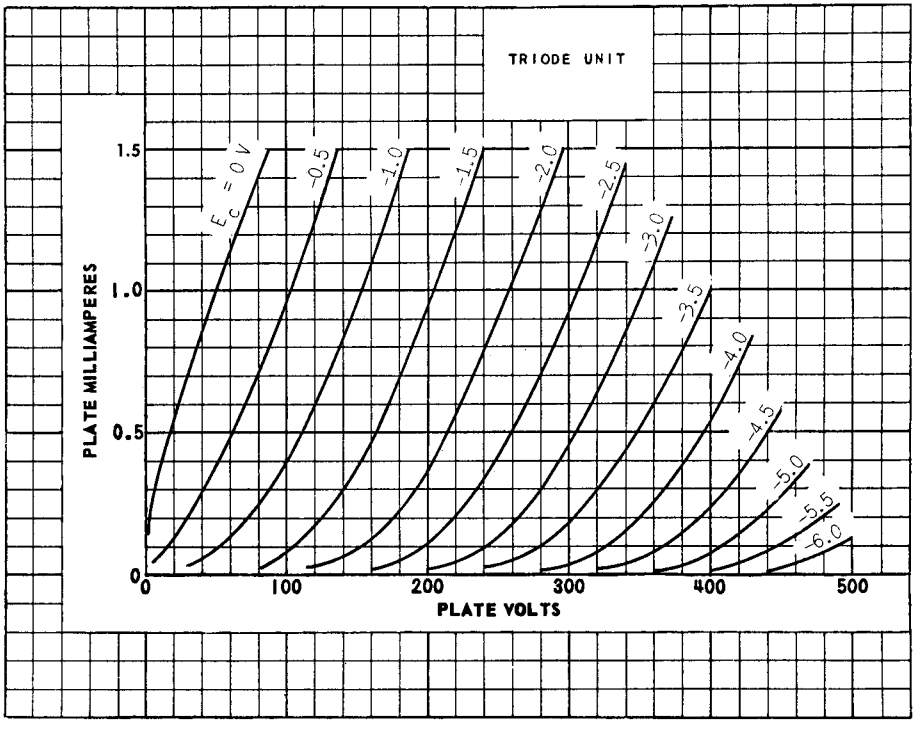
DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

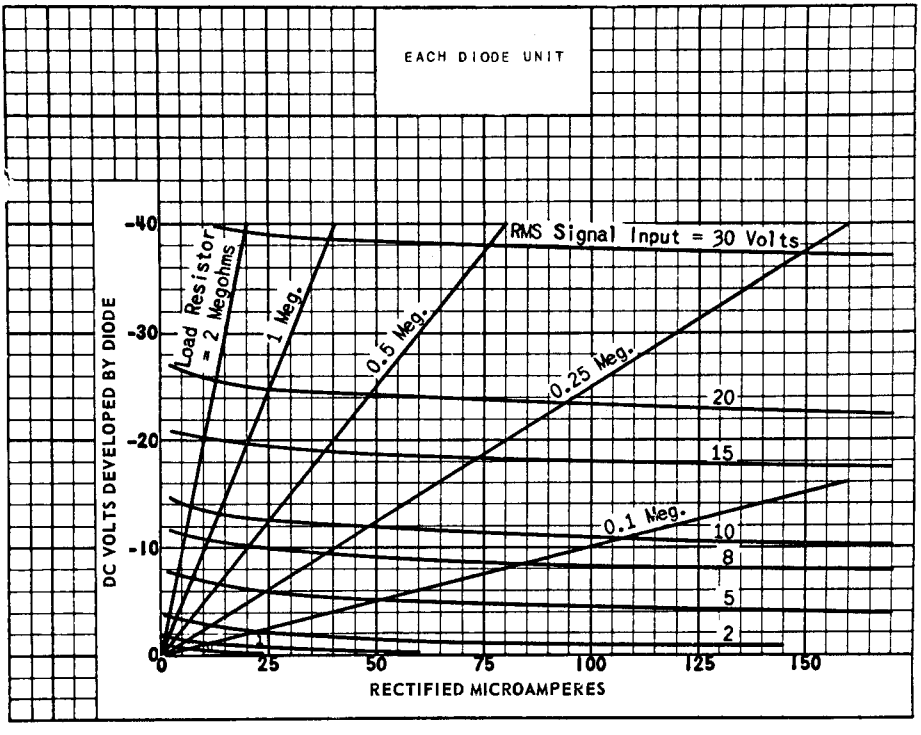
TRIODE PLATE VOLTAGE	300	VOLTS
TRIODE PLATE DISSIPATION	0.5	WATTS
CONTINUOUS DIODE CURRENT, EACH DIODE	1	MA.

TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	−1.0	−2.0	VOLTS
PLATE CURRENT	0.4	0.9	MA.
TRANSCONDUCTANCE	900	1,100	μMHOS
AMPLIFICATION FACTOR	100	100	
PLATE RESISTANCE (APPROX.)	110	91	KOHMS
AVERAGE DIODE CURRENT WITH 10 VOLTS APPLIED EACH DIODE	2.5	2.5	MA.




EACH DIODE UNIT
DC VOLTS DEVELOPED BY DIODE
-40
-30
-20
-10
0
Load Resistor = 2 Megohms
1 Meg.
0.5 Meg.
0.25 Meg.
0.1 Meg.
RMS Signal Input = 30 Volts
20
15
10
8
5
2
0
25
50
75
100
125
150
RECTIFIED MICROAMPERES