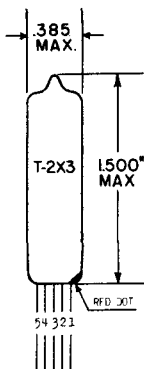


TUNG-SOL

OUTLINE DRAWING
JEDEC 2-1

GLASS BULB
BULB ENTIRELY COATED
WITH METALLIC SHIELD
CONNECTED TO LEAD #3

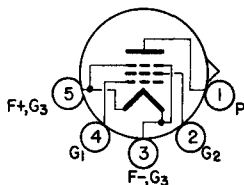
COLOR DOT IS ADJACENT
TO LEAD #1

PENTODE
SUBMINIATURE
FILAMENTARY TYPE

FOR RF APPLICATIONS

ANY MOUNTING POSITION

BASING DIAGRAM



BOTTOM VIEW
5 FLEXIBLE IN-LINE TINNED
LEADS 0.016" DIA. 0.048"
CENTER-TO-CENTER

THE 6611 IS A FILAMENTARY TYPE, FULLY SHIELDED PENTODE IN THE T-2 X 3 SUBMINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE IN RF APPLICATIONS WHERE ECONOMY OF SPACE, WEIGHT AND BATTERY DRAIN IS ESSENTIAL.

DIRECT INTERELECTRODE CAPACITANCES

GRID 1 TO PLATE	MAX. 0.008	pf
INPUT	4.0	pf
OUTPUT	4.0	pf

FILAMENT CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	1.25	VOLTS	20	MA
LIMITS OF APPLIED VOLTAGE			1.25 ± 0.35	VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	50	VOLTS
GRID 2 VOLTAGE	50	VOLTS
PLATE DISSIPATION	0.10	WATT
GRID 2 DISSIPATION	0.02	WATT
TOTAL CATHODE CURRENT	1.9	MA

TUNG-SOL

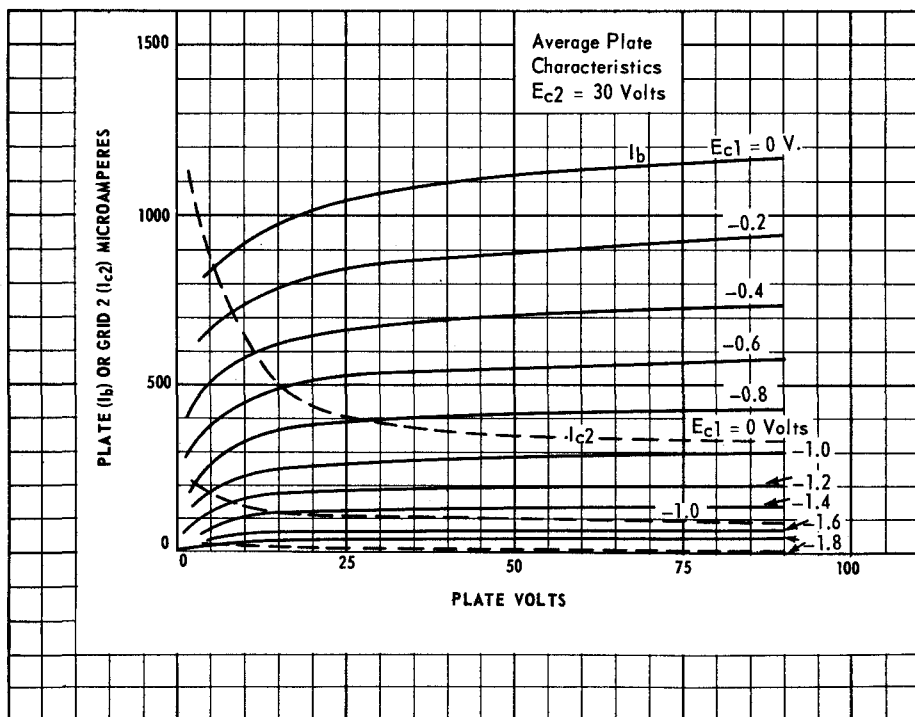
CONTINUED FROM PRECEDING PAGE

CHARACTERISTICS AND TYPICAL OPERATION

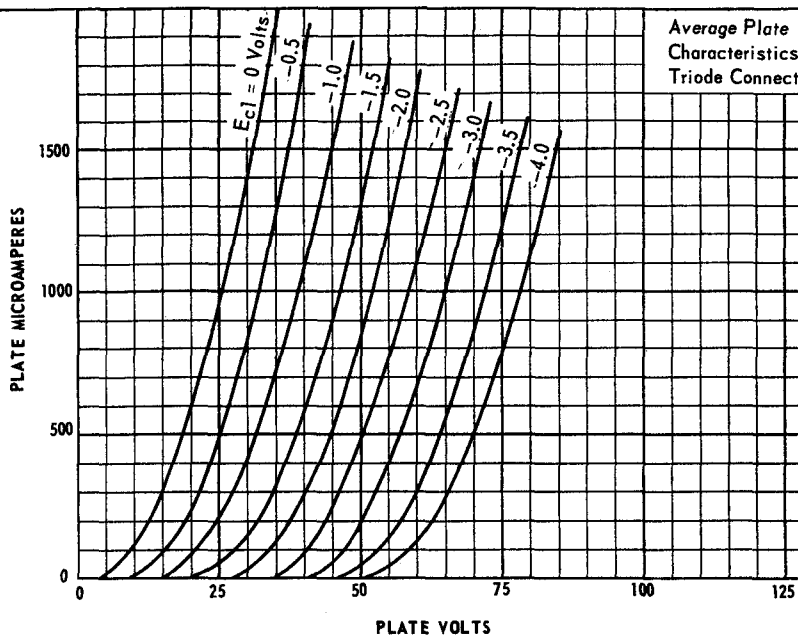
CLASS A₁ AMPLIFIER

PLATE VOLTAGE	30	45	VOLTS
GRID 2 VOLTAGE	30	*45	VOLTS
GRID 1 VOLTAGE (GRID RESISTOR = 5 MEGOHMS)	0	0	VOLTS
PLATE CURRENT	1.0	1.0	MA
GRID 2 CURRENT	0.35	0.35	MA
TRANSCONDUCTANCE	1,000	1,000	μMHOS
PLATE RESISTANCE - APPROX.	0.4	0.4	MEGOHM
GRID 1 VOLTAGE (APPROX.) FOR $G_m = 10$ μMHOS	-3.0	-	VOLTS

*GRID 2 SUPPLY VOLTAGE THROUGH SERIES 47,000 OHMS SUPPLY RESISTOR.



Average Plate
Characteristics
Triode Connected



Average Characteristics
 $E_b = 30$ Volts

