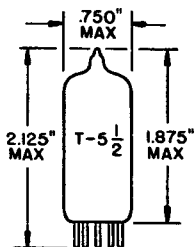


TUNG-SOL

PENTODE

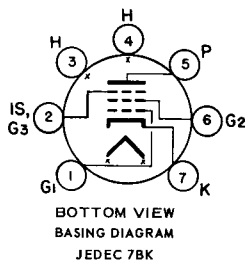
MINIATURE TYPE

FOR

MOBILE AND AIRCRAFT
APPLICATIONS

GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 5-2

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION



THE 6136 IS A SHARP-CUTOFF PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS A HIGH-GAIN RF OR IF AMPLIFIER. FEATURES INCLUDE A HIGH DEGREE OF MECHANICAL STRENGTH AND A HEATER-CATHODE CONSTRUCTION DESIGNED TO WITHSTAND MANY THOUSAND CYCLES OF INTERMITTENT OPERATION.

DIRECT INTERELECTRODE CAPACITANCES

	WITH ^A SHIELD	WITHOUT SHIELD	
GRID 1 TO PLATE (MAX.)	0.0035	0.0035	pf
INPUT	6.5	6.0	pf
OUTPUT	5.5	5.0	pf

^A WITH EXTERNAL SHIELD 316 CONNECTED TO PIN 7.

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	300	MA.
LIMITS OF APPLIED VOLTAGE			6.3±0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:				
HEATER POSITIVE WITH RESPECT TO CATHODE			100	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE			100	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

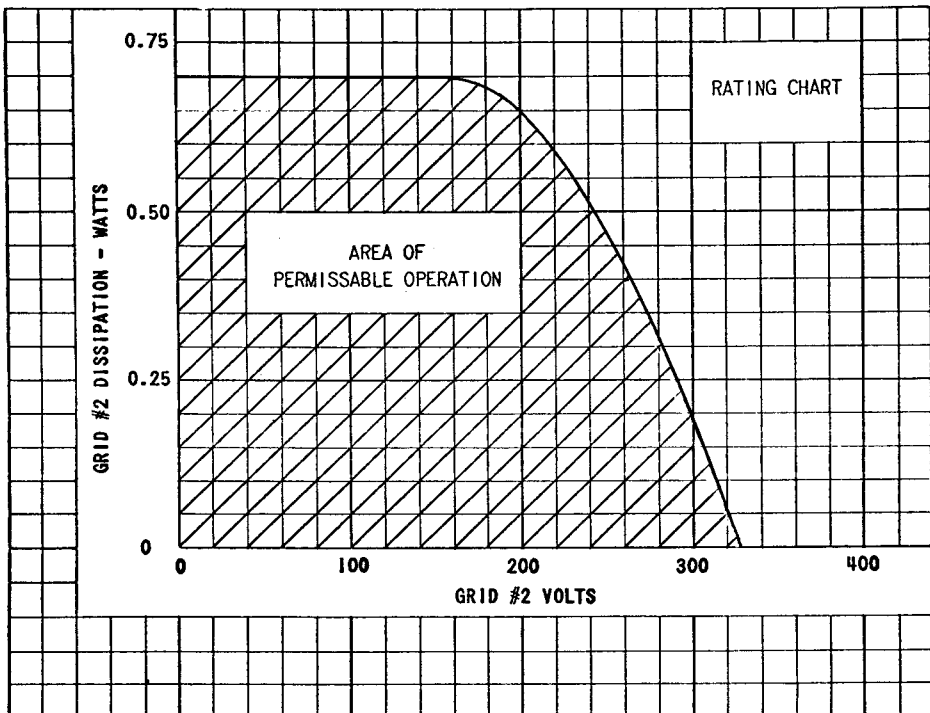
PLATE VOLTAGE	330	VOLTS
GRID 2 SUPPLY VOLTAGE	330	VOLTS
GRID 2 VOLTAGE - SEE RATING CHART		
POSITIVE DC GRID 1 VOLTAGE	0	VOLTS
NEGATIVE DC GRID 1 VOLTAGE	50	VOLTS
DC GRID 1 CURRENT	1.0	MA.
PLATE DISSIPATION	→ 3.3	WATTS
GRID 2 DISSIPATION	0.7	WATTS
GRID 1 CIRCUIT RESISTANCE	0.5	MEGOHMS
BULB TEMPERATURE AT HOTTEST POINT	165°	C

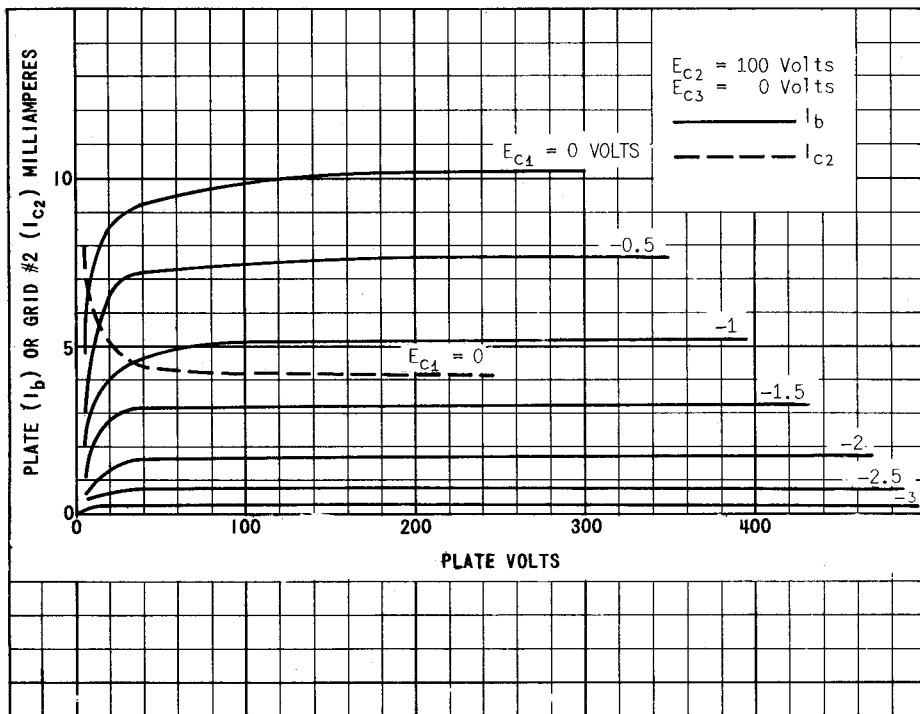
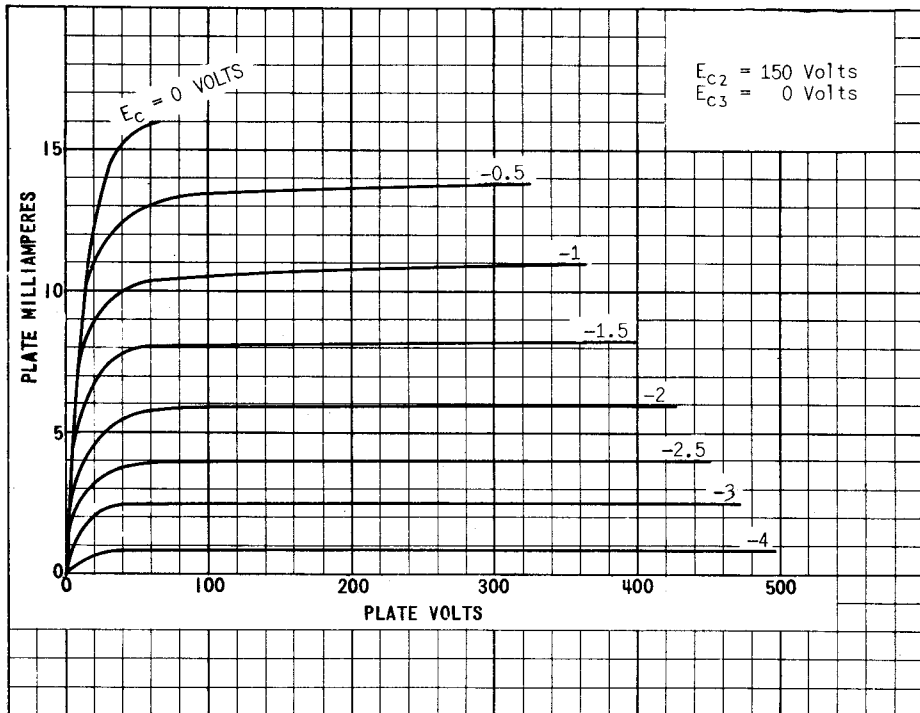
TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID 3 CONNECTED TO CATHODE AT SOCKET			
GRID 2 VOLTAGE	100	150	VOLTS
PLATE CURRENT	5.0	10.6	MA.
GRID 2 CURRENT	2.1	4.3	MA.
CATHODE BIAS RESISTOR	150	68	OHMS
TRANSCONDUCTANCE	3,900	5,200	μMHOS
PLATE RESISTANCE (APPROX.)	0.5	1.0	MEGOHM
GRID 1 VOLTAGE (APPROX.) FOR $I_b = 10 \mu\text{A}$	-4.2	-6.5	VOLTS

→ INDICATES A CHANGE.





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