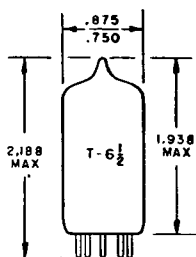


## TUNG-SOL

## PENTODE

## MINIATURE TYPE



GLASS BULB  
SMALL BUTTON  
9 PIN BASE E9-1  
OUTLINE DRAWING  
JEDEC 6-2

## SEMI-REMOTE-CUTOFF PENTODE

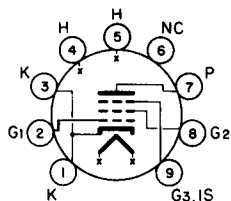
FOR

I.F. AMPLIFIER STAGES

IN TV RECEIVERS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



BOTTOM VIEW  
BASING DIAGRAM  
JEDEC 9 PM

THE 3HT6 IS A SEMI-REMOTE-CUTOFF PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN TELEVISION RECEIVER I.F. AMPLIFIER STAGES. THE SEMI-REMOTE CUTOFF CHARACTERISTICS IS DESIRABLE FOR USE IN AGC CONTROLLED STAGES. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 3HT6 IS IDENTICAL TO THE 6HT6 AND THE 4HT6.

## DIRECT INTERELECTRODE CAPACITANCES

	SHIELD 315 CONNECTED TO GROUND		UNSHIELDED	
GRID 1 TO PLATE	0.024	0.031		pf
INPUT	8.70	8.70		pf
OUTPUT	3.00	2.15		pf

## HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM RATINGS - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	3.15	VOLTS	600	MA.
HEATER WARM-UP TIME			11	SECONDS
LIMITS OF SUPPLIED CURRENT			600 ± 40	MA.
HEATER CATHODE VOLTAGE:				
HEATER NEGATIVE WITH RESPECT TO CATHODE				
TOTAL DC AND PEAK			200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE				
TOTAL DC AND PEAK			200	VOLTS

CONTINUED ON FOLLOWING PAGE

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## MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD R5-239

PLATE VOLTAGE	250	VOLTS
GRID 2 SUPPLY VOLTAGE	250	VOLTS
GRID 2 VOLTAGE	SEE RATING CHART	
GRID 1 VOLTAGE	-50	VOLTS
PLATE DISSIPATION	2.5	WATTS
GRID 2 DISSIPATION	0.6	WATTS
CATHODE CURRENT	25	MA.
GRID 1 CIRCUIT RESISTANCE:		
CATHODE BIAS RESISTOR	1	MEGOHM
FIXED BIAS	0.25	MEGOHM

## CHARACTERISTICS AND TYPICAL OPERATION

PLATE VOLTAGE	125	VOLTS
GRID 3 VOLTAGE	CONNECTED TO CATHODE AT SOCKET	
GRID 2 VOLTAGE	125	VOLTS
CATHODE BIAS RESISTOR	56	OHMS
PLATE CURRENT	15	MA.
GRID 2 CURRENT	4.0	MA.
TRANSCONDUCTANCE	14,000	$\mu$ MHOS
PLATE RESISTANCE	0.143	MEGOHM
GRID 1 CUTOFF BIAS FOR $G_m = 50 \mu$ MHOS	-6.7	VOLTS
CUTOFF TRANSCONDUCTANCE:		
FOR $E_{c1} = -1.5$	12,000	$\mu$ MHOS
FOR $E_{c1} = -3.5$	300	$\mu$ MHOS
HOT INPUT RESISTANCE <sup>A</sup>	12,700	OHMS
HOT INPUT CAPACITANCE <sup>A</sup>	7.45	pf

A - MEASURED 44 Mc/s WITH UNBYPASSED 56 OHM CATHODE RESISTANCE

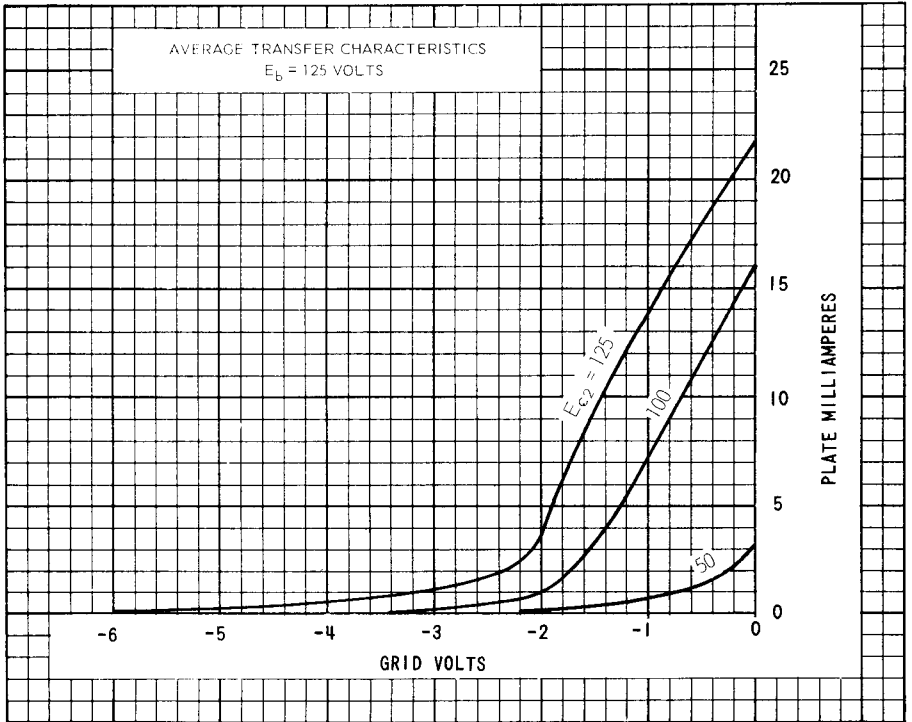
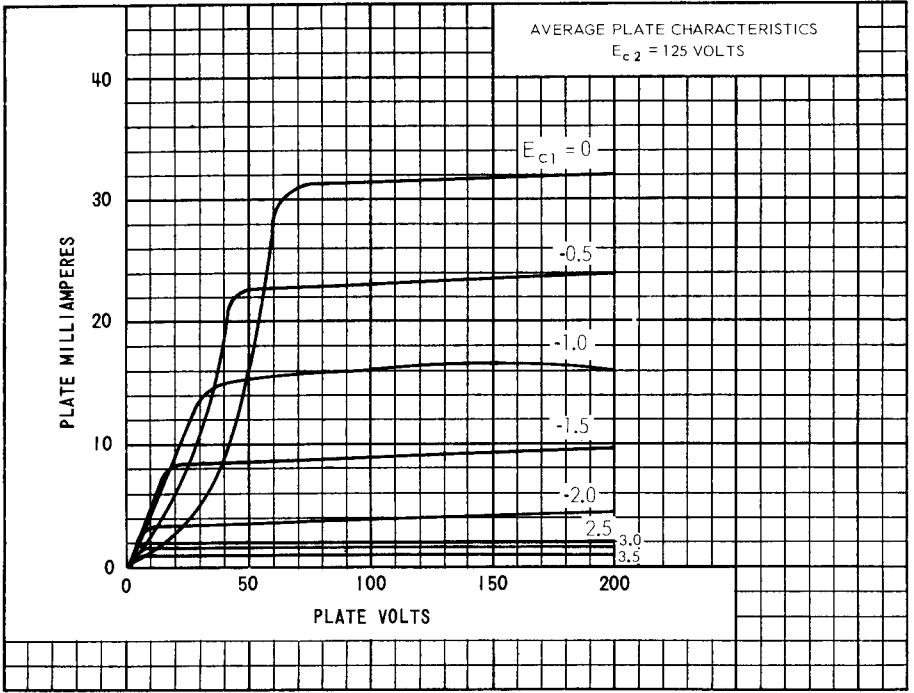
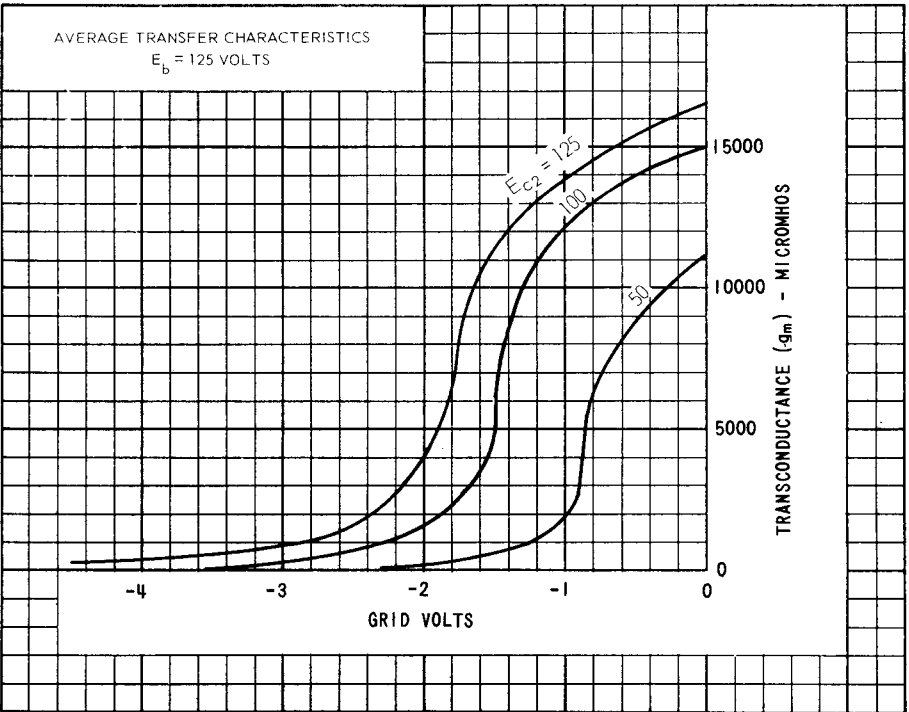
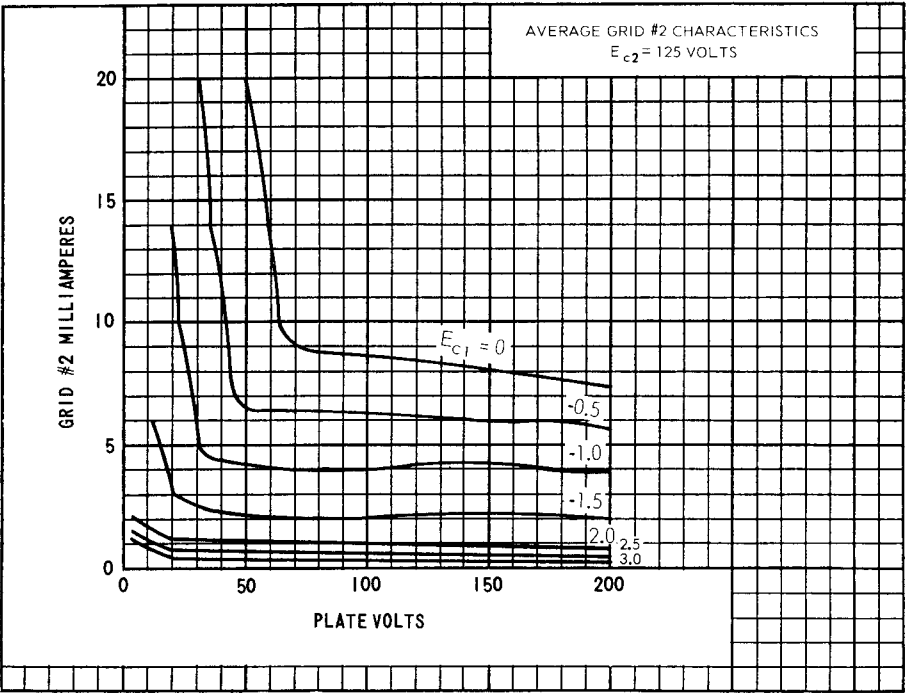
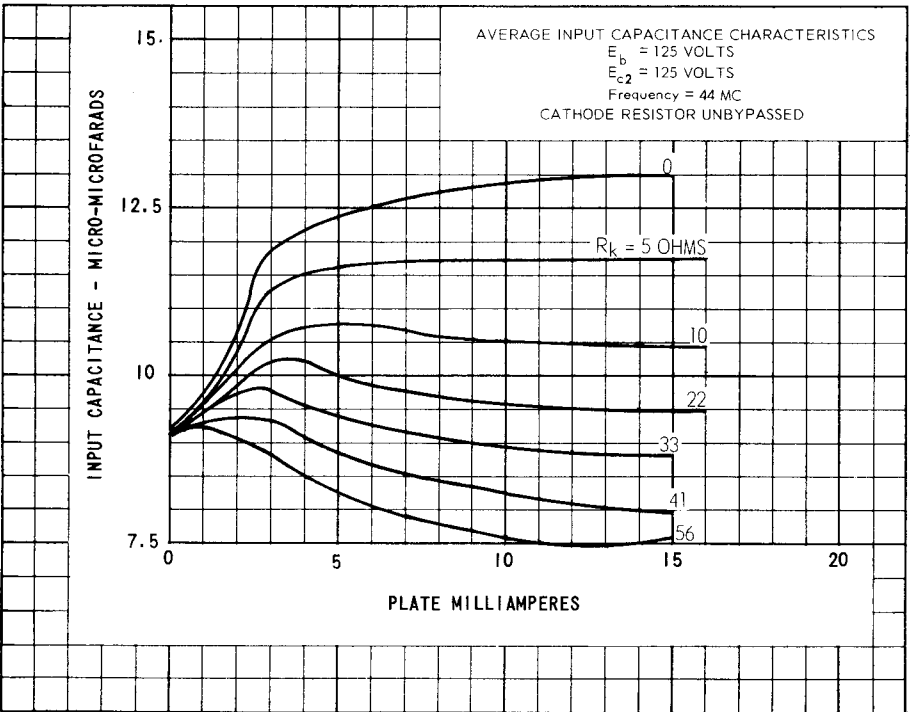
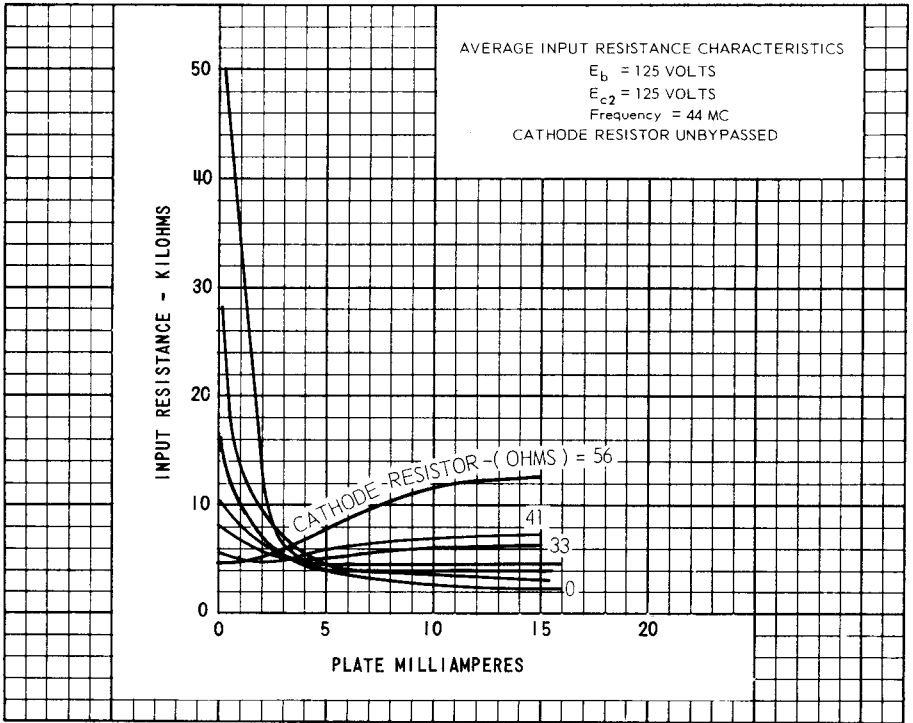


PHOTO M. S. A.





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