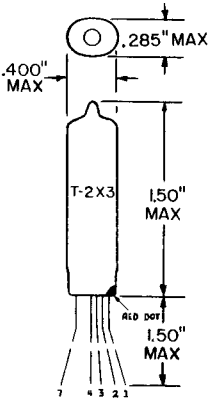


**TUNG-SOL**

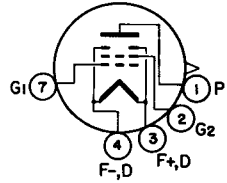


GLASS BULB  
DOT IS ADJACENT  
TO LEAD 1  
OUTLINE DRAWING  
JEDEC 2-5  
IN-LINE LEADS

**ELECTROMETER PENTODE**  
SUBMINIATURE TYPE

FOR  
SINGLE STAGE AND MULTI-STAGE  
CIRCUIT APPLICATIONS

ANY MOUNTING POSITION



BOTTOM VIEW  
LEADS 5 & 6 ARE OMITTED  
LEADS 0.048"  
CENTER-TO-CENTER

THE 5886 IS A FILAMENTARY TYPE PENTODE IN THE 5 PIN SUBMINIATURE CONSTRUCTION. OPERATED AS A TRIODE, THE TUBE HAS AN UNUSUALLY HIGH RATIO OF TRANSCONDUCTANCE TO CONTROL GRID CURRENT FOR SINGLE STAGE CIRCUITS. AS A PENTODE, THE AMPLIFICATION FACTOR IS HIGH ENOUGH TO AFFORD CONSIDERABLE VOLTAGE GAIN IN THE ELECTROMETER STAGE OF A MULTI-STAGE CIRCUIT.

**DIRECT INTERELECTRODE CAPACITANCES**  
WITHOUT EXTERNAL SHIELD

GRID 1 TO ALL	2.2	pf
GRID 1 TO GRID 2 AND PLATE	2.0	pf

**FILAMENT CHARACTERISTICS AND RATINGS**  
ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	1.25	VOLTS	10	MA.
LIMITS OF APPLIED VOLTAGE			1.25 ± 0.25	VOLTS

FOR USE WITH BATTERIES HAVING AN INITIAL VOLTAGE OF 1.55 VOLTS MAX.

**MAXIMUM RATINGS**

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

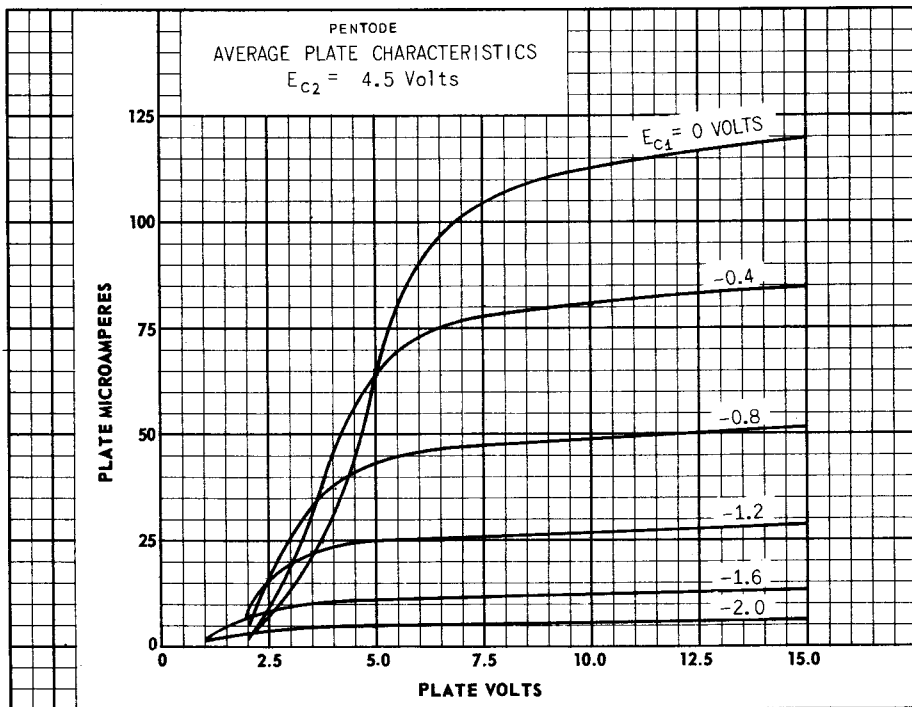
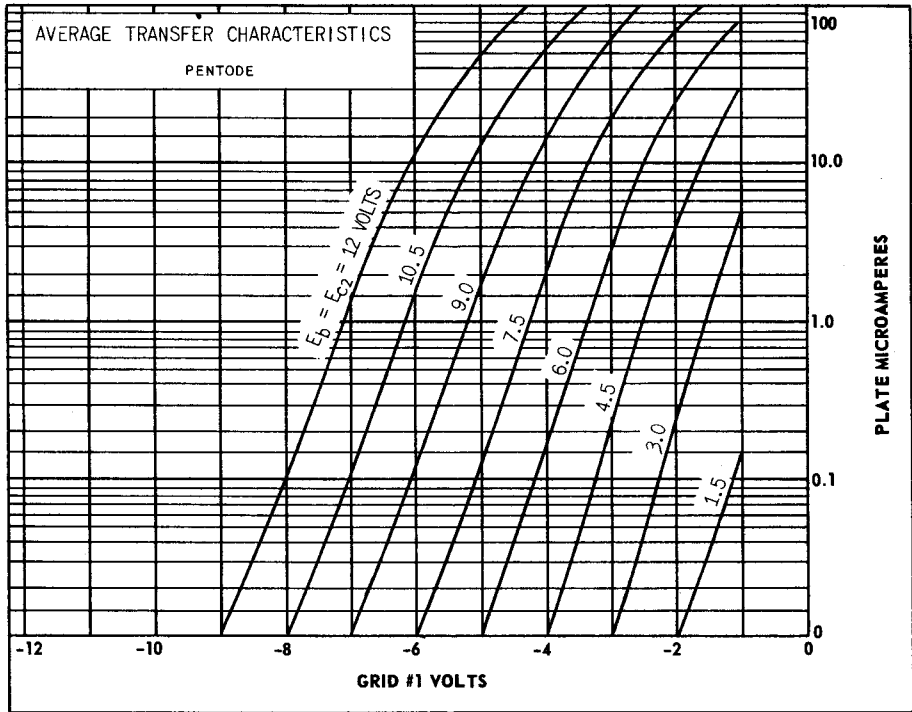
PLATE VOLTAGE	22.5	VOLTS
GRID 2 VOLTAGE	22.5	VOLTS
TOTAL CATHODE CURRENT	300	μA

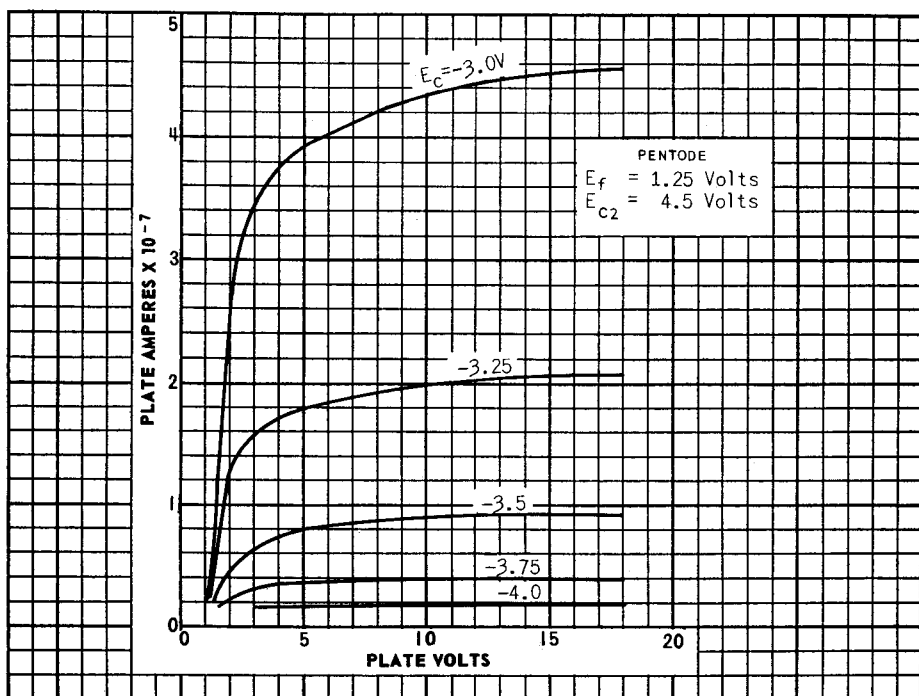
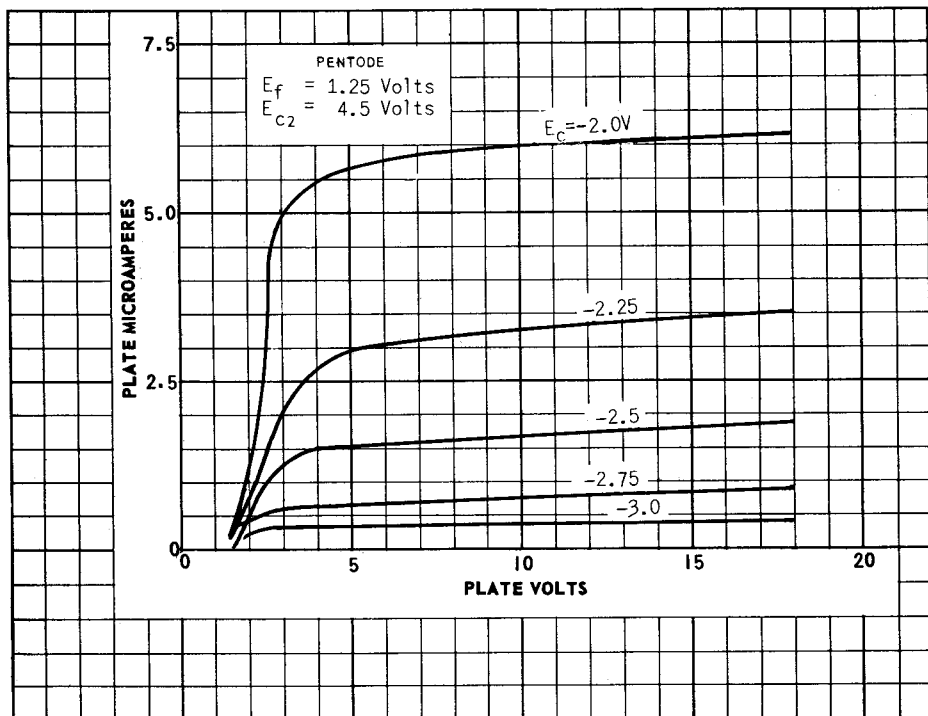
**TYPICAL OPERATING CHARACTERISTICS**

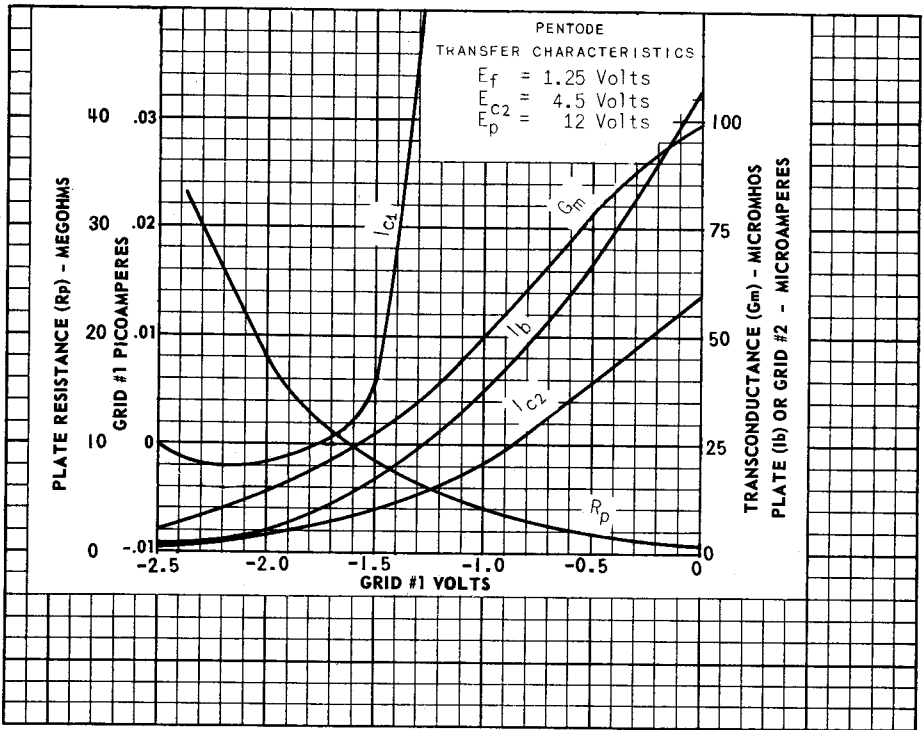
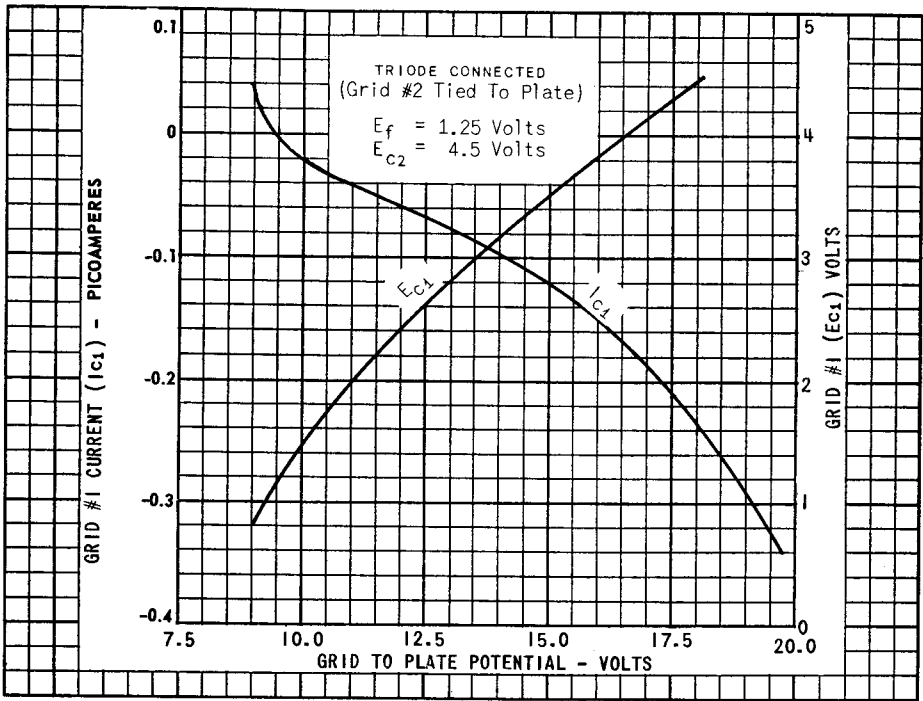
	TRIODE	PENTODE	
PLATE VOLTAGE	10.5	8.5	VOLTS
GRID 2 VOLTAGE	-----	4.5	VOLTS
GRID 1 VOLTAGE	-3	-2	VOLTS
PLATE CURRENT	200	6	μA
GRID 2 CURRENT	-----	3.6	μA
AMPLIFICATION FACTOR	1.8	-----	
TRANS CONDUCTANCE	175	14	μMHOS
PLATE RESISTANCE	-----	8	MΩ
MAX. GRID 1 CURRENT	2.5 × 10 <sup>-13</sup>	-----	AMP.
NOMINAL GRID 1 CURRENT		3 × 10 <sup>-15</sup>	AMP.

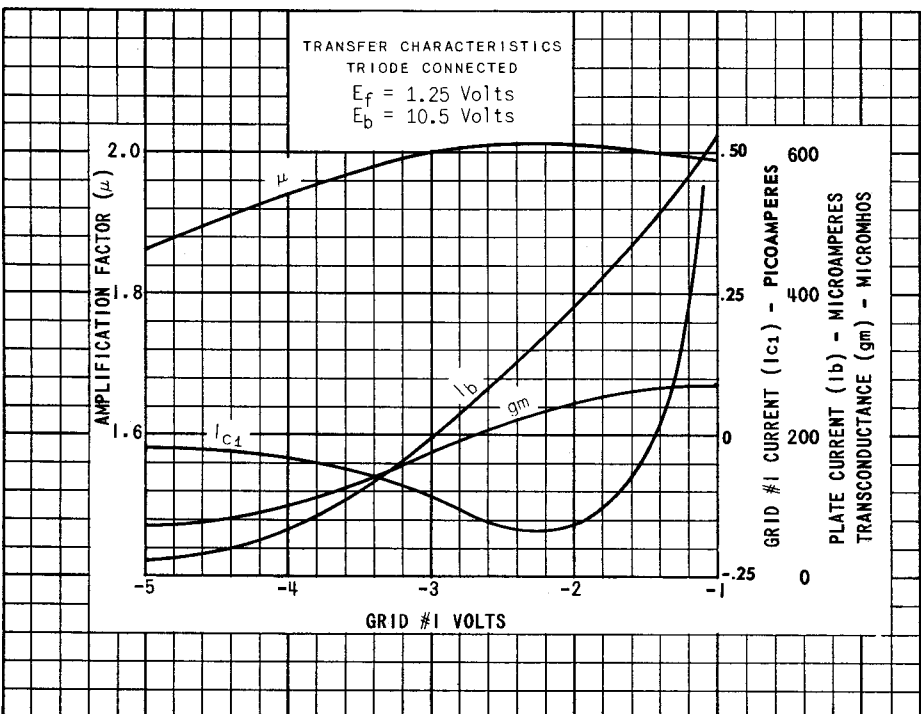
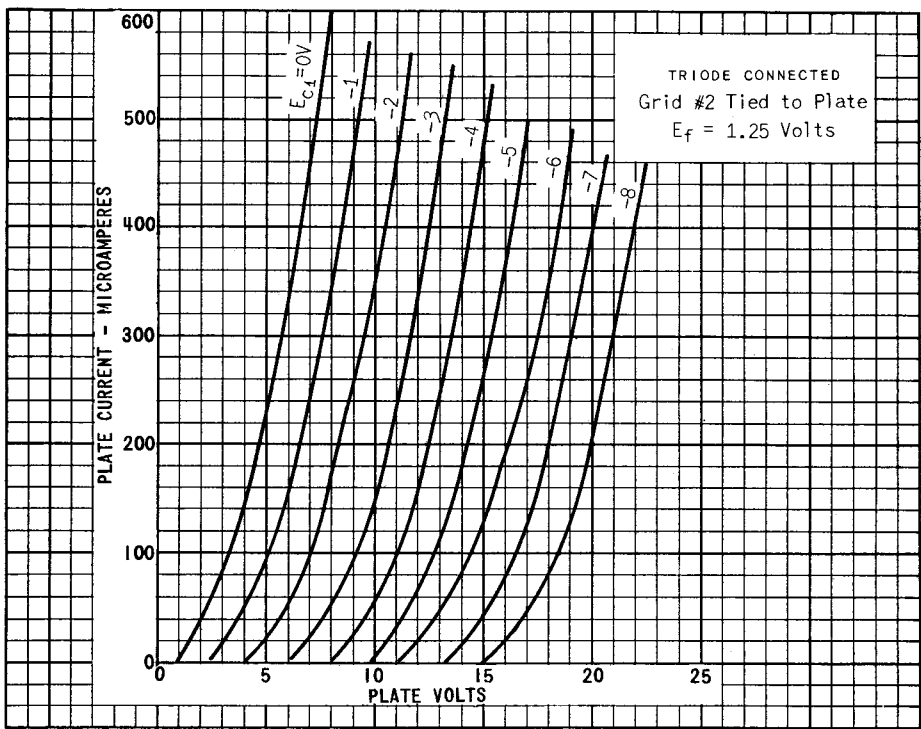
B  
GRID 2 CONNECTED TO PLATE

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TRANSFER CHARACTERISTICS  
TRIODE CONNECTED  
 $E_f = 1.25$  Volts  
 $E_b = 6$  Volts

