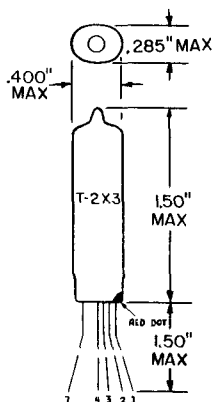


TUNG-SOL



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

ELECTROMETER PENTODE

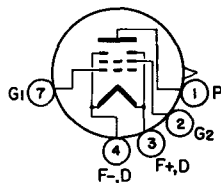
SUBMINIATURE TYPE

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 ⁻¹³	-----	AMP.
NOMINAL GRID 1 CURRENT		3 × 10 ⁻¹⁵	AMP.

^B
GRID 2 CONNECTED TO PLATE

