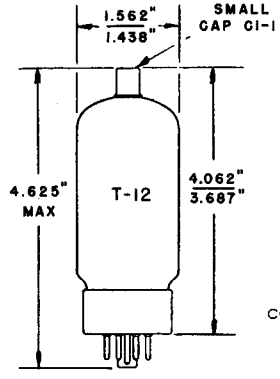
TUNG-SOL

PENTODE



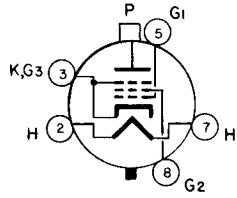
GLASS BULB
SHORT MEDIUM-SHELL
5 PIN OCTAL
B5-123 OR B5-149
OUTLINE DRAWING
JEDEC 12-20

BEAM PENTODE

SERIES REGULATOR IN
HIGH VOLTAGE POWER
SUPPLY APPLICATIONS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 8LC

THE 8068 IS A BEAM PENTODE DESIGNED FOR USE AS A SERIES REGULATOR IN HIGH-VOLTAGE POWER SUPPLIES.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID TO PLATE	0.6	pf
INPUT: G TO (H + K + G2 + G3)	10.0	pf
OUTPUT: P TO (H + K + G2 + G3)	5.5	pf

HEATER CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	900	MA.
LIMITS OF APPLIED VOLTAGE - AC OR DC			6.3 ± 0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE			± 200	VOLTS

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	3500	VOLTS
GRID 2 VOLTAGE	250	VOLTS
PLATE DISSIPATION	35	WATTS
GRID 2 DISSIPATION	1.0	WATTS
DC CATHODE CURRENT	100	MA.
GRID 1 CIRCUIT RESISTANCE	0.1	MEGOHMS

AVERAGE CHARACTERISTICS

PLATE VOLTAGE	3500	600	VOLTS
GRID 2 VOLTAGE	100	125	VOLTS
GRID 1 VOLTAGE	-30	-7.5	VOLTS
PLATE CURRENT	1.0	36	MA.
GRID 2 CURRENT	-----	1.0	MA.
TRANSCONDUCTANCE	-----	5200	μMHOS
PLATE RESISTANCE, APPROX.	-----	54,500	OHMS