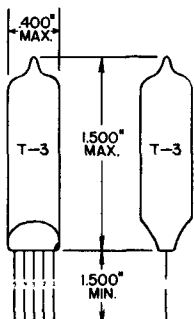


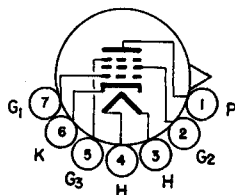
TUNG-SOL
PENTODE
SUBMINIATURE TYPE

RELIABLE
 SEMI-REMOTE-CUTOFF
 PENTODE
 FOR
 AGC AMPLIFIER SERVICE
 IN MOBILE AND AIRBORNE
 EQUIPMENT



GLASS BULB
 OUTLINE DRAWING
 JEDEC 3-6
 DOT IS ADJACENT
 TO LEAD #1

COATED UNIPOTENTIAL CATHODE
 ANY MOUNTING POSITION



BOTTOM VIEW
 7 LEADS 0.048"
 CENTER-TO-CENTER
 IN-LINE
 LEAD DIAMETER
 .016" +.002" -.001"

THE 6872 IS A HEATER-CATHODE TYPE SEMI-REMOTE CUTOFF PENTODE OF SUBMINIATURE CONSTRUCTION. IT IS APPLICABLE TO AMPLIFIER SERVICE IN WHICH AGC IS DESIRABLE. STANDARD IN-LINE SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE FLEXIBLE LEADS TO A SUITABLE LENGTH.

DIRECT INTERELECTRODE CAPACITANCES

WITH A CYLINDRICAL SHIELD 0.405" I.D. - 1-7/8" LONG CONNECTED TO LEAD 6.

GRID 1 TO PLATE	MAX.	0.03	pf
INPUT		5.0	pf
OUTPUT		3.5	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	200	MA.
LIMITS OF APPLIED VOLTAGE			6.3 ± 0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:			200	VOLTS

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	165	VOLTS
GRID 1 VOLTAGE	-55	VOLTS
GRID 2 VOLTAGE	155	VOLTS
GRID 3 VOLTAGE	0	VOLTS
PLATE DISSIPATION	1.1	WATTS
GRID 2 DISSIPATION	0.4	WATTS
CATHODE CURRENT	16.5	MA.
GRID 1 CIRCUIT RESISTANCE	1.2	MEGOHMS
TEMPERATURE AT HOTTEST POINT ON BULB	+220	°C

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CHARACTERISTICS

PLATE VOLTAGE	120	VOLTS
GRID 1 VOLTAGE	0	VOLTS
GRID 2 VOLTAGE	120	VOLTS
GRID 3 VOLTAGE	0	VOLTS
CATHODE BIAS RESISTOR	200	OHMS
PLATE CURRENT	7.75	MA.
GRID 2 CURRENT	2.7	MA.
TRANSCONDUCTANCE	4,100	μ MHOS
PLATE RESISTANCE	0.34	MEGOHMS

SPECIAL TESTS AND RATINGS

INTERMITTANT LIFE TEST		
HEATER CYCLING TEST		
SHOCK TEST		
VIBRATION TEST		
ALTITUDE RATING	60,000	FEET

