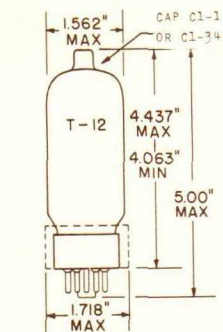


TUNG-SOL

TRIODE



GLASS BULB
SMALL CAP
SHORT MEDIUM SHELL
8 PIN OCTAL 88-126 OR 88-72
OUTLINE DRAWING
JEDEC 12-36

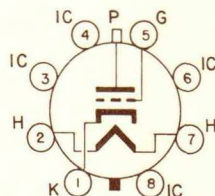
COATED UNIPOTENTIAL CATHODE

HEATER

 6.3 ± 0.6 VOLTS 200 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 86C

THE 6BK4 IS A SHARP CUT-OFF BEAM TRIODE. IT IS DESIGNED FOR THE VOLTAGE REGULATION OF HIGH VOLTAGE, LOW CURRENT DC POWER SUPPLIES IN COLOR TELEVISION.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE	0.03	pf
GRID TO CATHODE AND HEATER	2.6	pf
PLATE TO CATHODE AND HEATER	1.0	pf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

VOLTAGE CONTROL SERVICE

MAXIMUM PEAK HEATER-CATHODE VOLTAGE:

HEATER NEGATIVE WITH RESPECT TO CATHODE

220 VOLTS

HEATER POSITIVE WITH RESPECT TO CATHODE

NOT RECOMMENDED

MAXIMUM DC PLATE VOLTAGE

27 000 VOLTS

MAXIMUM UNREGULATED DC SUPPLY VOLTAGE

60 000 VOLTS

MAXIMUM GRID VOLTAGE:

DC VALUE

-135 VOLTS

PEAK VALUE (FOR DURATION OF 20 SEC. MAX.
DURING EQUIPMENT WARM-UP)

-440 VOLTS

MAXIMUM DC PLATE CURRENT

1.6 MA.

MAXIMUM PLATE DISSIPATION

25 WATTS

MAXIMUM GRID CIRCUIT RESISTANCE^A

3 MEGOHMS

^A FOR USE WITH "FLYBACK TRANSFORMER" HIGH VOLTAGE SUPPLY.

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE.

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

SHUNT VOLTAGE-REGULATOR TUBE
IN ACCOMPANYING CIRCUIT

UNREGULATED SUPPLY:

DC VOLTAGE

→ 36 000

VOLTS

EQUIVALENT RESISTANCE

11

MEGOHMS

VOLTAGE DIVIDER VALUES:

 R_1 (5 WATTS)

220

MEGOHMS

 R_2 (2 WATTS)

1

MEGOHM

 R_3 (1/2 WATT)

820 000

OHMS

REFERENCE VOLTAGE SUPPLY:

DC VALUE

200

VOLTS

EQUIVALENT RESISTANCE

1 000

OHMS

EFFECTIVE GRID-PLATE TRANSCONDUCTANCE

200

 μ MHOS

DC PLATE CURRENT:

FOR LOAD CURRENT OF 0 MA.

1 000

 μ AMP.

FOR LOAD CURRENT OF 1 MA.

45

 μ AMP.

REGULATED DC OUTPUT VOLTAGE:

FOR LOAD CURRENT OF 0 MA.

25 000

VOLTS

FOR LOAD CURRENT OF 1 MA.

24 500

VOLTS

AMPLIFICATION FACTOR (APPROX.)

2 000

