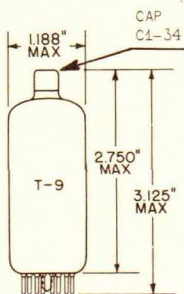


TUNG-SOL

DIODE

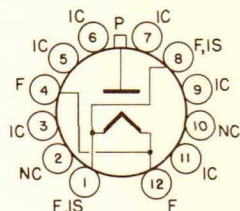


COATED FILAMENTARY CATHODE

FOR TV HIGH VOLTAGE
RECTIFIER

ANY MOUNTING POSITION

SOCKET CLIPS 2 & 10 MAY BE USED AS
TIE POSTS AT A POTENTIAL NEAR
THAT OF THE FILAMENT



BOTTOM VIEW
BASING DIAGRAM
JEDEC 12EL

GLASS BULB
BUTTON
12 PIN BASE E12-70
OUTLINE DRAWING
JEDEC 9-98

THE 1A2 IS A FILAMENTARY HIGH-VOLTAGE DIODE IN A DOUBLE-ENDED T-9 COMPACTRON CONSTRUCTION. IT IS DESIGNED FOR USE AS THE RECTIFIER IN THE FLY-BACK CIRCUIT TO SUPPLY THE ANODE OF THE TELEVISION PICTURE TUBE.

DIRECT INTERELECTRODE CAPACITANCE WITHOUT EXTERNAL SHIELD

PLATE TO ALL; P TO (P + I.S.) - APPROX.

1.8 pf

FILAMENT CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS 1.25 VOLTS 200 MA.

LIMITS OF APPLIED FILAMENT VOLTAGE			
AC OR DC	1.25±0.20	VOL TS	

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239
FLYBACK VOLTAGE RECTIFIER SERVICE

INVERSE PLATE VOLTAGE		
TOTAL DC AND PEAK	26	KV.
DC	22	KV.
PEAK PLATE CURRENT	50	MA.
DC OUTPUT CURRENT	0.5	MA.

AVERAGE CHARACTERISTICS

TUBE DROP WITH 7 MA PLATE CURRENT - APPROX.	140	VOLTS
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CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

THE FLYBACK PULSE SHOULD BE TAKEN FROM THE HORIZONTAL DEFLECTION CIRCUIT OF A 525-LINE, 30-FRAME TELEVISION SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE CONCERNING TELEVISION BROADCAST STATIONS" FEDERAL COMMUNICATIONS COMMISSION. THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE.

PRECAUTIONARY NOTE:

THIS TUBE MAY PRODUCE SOFT X-RAYS WHICH CAN CONSTITUTE A HEALTH HAZARD UNLESS ADEQUATELY SHIELDED.