

TUNG-SOL

DIODE

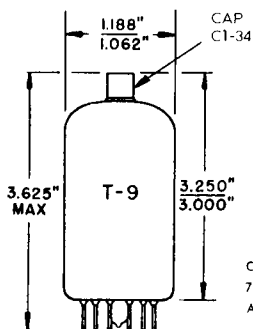
COMPACTRON TYPE

FOR

TV HIGH VOLTAGE
RECTIFIER APPLICATIONS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION

CONNECTORS SHOULD NOT EXERT MORE THAN
7 POUNDS RADIAL COMPRESSION AT ANY POINT
AROUND THE CIRCUMFERENCE OF THE CAP.



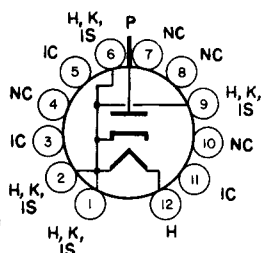
GLASS BULB

BUTTON

12 PIN BASE E12-70

OUTLINE DRAWING

JEDEC 9-100



BOTTOM VIEW
BASING DIAGRAM

JEDEC 12EW

TERMINALS 4, 7 & 10 MAY BE
USED AS TIE POINTS FOR
COMPONENTS AT OR NEAR
HEATER POTENTIAL

THE 2AS2 IS A HEATER-CATHODE TYPE DIODE IN A T-9 COMPACTRON ENVELOPE. IT IS DESIGNED FOR USE AS A HIGH-VOLTAGE RECTIFIER IN TELEVISION RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

PLATE TO HEATER, CATHODE AND INTERNAL SHIELD (APPROX.) 1.4 pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	2.5	VOLTS	330	MA.
LIMITS OF APPLIED VOLTAGE			2.5 ± 0.4	VOLTS

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

FLYBACK RECTIFIER SERVICE^A

PEAK INVERSE PLATE VOLTAGE				
DC COMPONENT	24			KVOLTS
TOTAL DC AND PEAK	30			KVOLTS
STEADY-STATE PEAK CURRENT	80			MA.
DC OUTPUT CURRENT	1.5			MA.

^A

FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN 'STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCASTING STATIONS; FEDERAL COMMUNICATIONS COMMISSION'. THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15 PERCENT OF ONE SCANNING CYCLE.

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

AVERAGE CHARACTERISTICS

TUBE VOLTAGE DROP, APPROX.

 $I_b = 7.0 \text{ MA.}$

100

VOLTS

