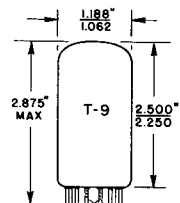


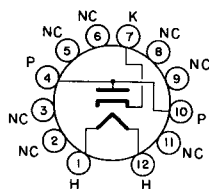
TUNG-SOL

DIODE
COMPACTRON

GLASS BULB
BUTTON 12 PIN
BASE E12-70
OUTLINE DRAWING
JEDEC 9-60

FOR
TV DAMPING
DIODE APPLICATIONS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 12BL
SOCKET TERMINALS 3,
6, 7, AND 10 SHOULD NOT
BE USED AS THE POINTS

THE 22BW3 IS A HEATER-CATHODE TYPE DIODE IN THE T-9 COMPACTRON CONSTRUCTION. IT IS INTENDED FOR SERVICE AS THE DAMPING DIODE IN THE HORIZONTAL DEFLECTION CIRCUIT OF TELEVISION RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

CATHODE TO PLATE AND HEATER: K TO (P + H)	8.5	pf
PLATE TO CATHODE AND HEATER: P TO (K + H)	6.0	pf
HEATER TO CATHODE: H TO K	3.8	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	22.4 VOLTS	450	MA.
HEATER WARM-UP TIME	Approx.	11	SECONDS
LIMITS OF SUPPLIED CURRENT	450 ± 30		MA.
HEATER-CATHODE VOLTAGE:			
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC COMPONENT		100	VOLTS
TOTAL DC AND PEAK		300	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE			
DC COMPONENT		900	VOLTS
TOTAL DC AND PEAK		5000	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

TV DAMPER SERVICE

PEAK INVERSE PLATE VOLTAGE	5,000	VOLTS
PLATE DISSIPATION	6.5	WATTS
STEADY - STATE PEAK PLATE CURRENT	1,100	MA.
DC OUTPUT CURRENT	175	MA.

AVERAGE CHARACTERISTICS

TUBE VOLTAGE DROP FOR $I_b = 350$ MADC	32	VOLTS
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