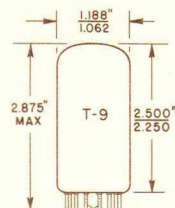
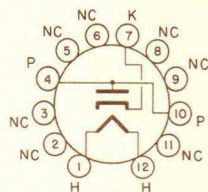


TUNG-SOLDIODE
COMPACTRON

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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