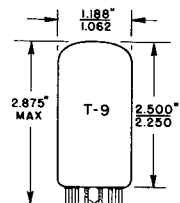


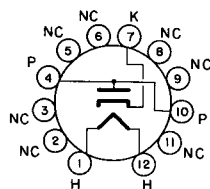
## TUNG-SOL

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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