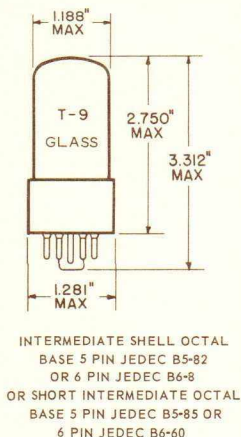


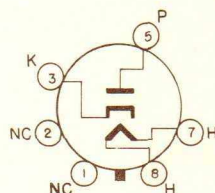
TUNG-SOL

OUTLINE DRAWING
JEDEC 9-11 OR 9-41

DIODE

FOR
DAMPING SERVICE
IN T.V. RECEIVERS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 4CG

BOTTOM VIEW

THE 25W4GT IS AN INDIRECTLY HEATED HALF-WAVE RECTIFIER IN THE T-9 OCTAL CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS THE DAMPING DIODE IN DIRECT-DRIVE SWEEP CIRCUITS IN TELEVISION RECEIVERS. IT MAY ALSO BE USED IN CONVENTIONAL RECTIFIER APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

HEATER TO CATHODE	11	pf
PLATE TO CATHODE AND HEATER	6.0	pf
CATHODE TO PLATE AND HEATER	17	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN CENTER VALUES (EXCEPT AS NOTED) - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	25 VOLTS	300	mA
MAXIMUM HEATER-CATHODE VOLTAGE			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
DC - ABSOLUTE MAXIMUM		500	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN CENTER VALUES (EXCEPT AS NOTED) - SEE EIA STANDARD RS-239

DAMPER SERVICE SEE NOTE

PEAK INVERSE PLATE VOLTAGE - ABSOLUTE MAXIMUM	3,850	VOLTS
PLATE DISSIPATION	3.5	WATTS
STEADY STATE PEAK CURRENT	750	mA
DC PLATE CURRENT	125	mA

NOTE - 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 HORIZONTAL VOLTAGE PULSE NOT TO EXCEED 15% OF A SCANNING CYCLE.

CHARACTERISTICSTUBE VOLTAGE DROP FOR $I_b = 250$ mA

21 VOLTS

