

TELEVISION DAMPING DIODE TYPE 6W4-GT AND 25W4-GT

The 6W4-GT and 25W4-GT are 6-pin octal indirectly-heated half-wave rectifiers designed for service as the damping diode in horizontal deflection circuits of television receivers.

ELECTRICAL

Cathode.....	Coated Unipotential		
Heater:	6W4-GT	25W4-GT	
Voltage (ac or dc)	6.3	25.0	Volts
Current	1.2	0.3	Ampere
Direct Interelectrode Capacitances:			
Heater to Cathode	7	$\mu\mu\text{f}$	
Plate to Cathode and Heater	6	$\mu\mu\text{f}$	
Cathode to Plate and Heater	13	$\mu\mu\text{f}$	

MECHANICAL

Bulb.....	T-9
Base.....	Intermediate-Shell Octal 6-Pin (JEDEC B6-8)
	Short Intermediate-Shell Octal 6-Pin (JEDEC B6-60)
Basing	4CG
Mounting Position	Any

DAMPER DIODE SERVICE (Note 1)

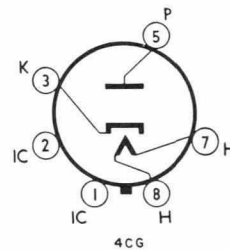
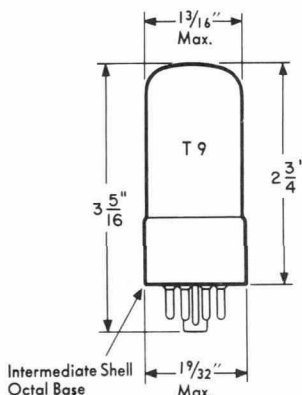
MAXIMUM RATINGS

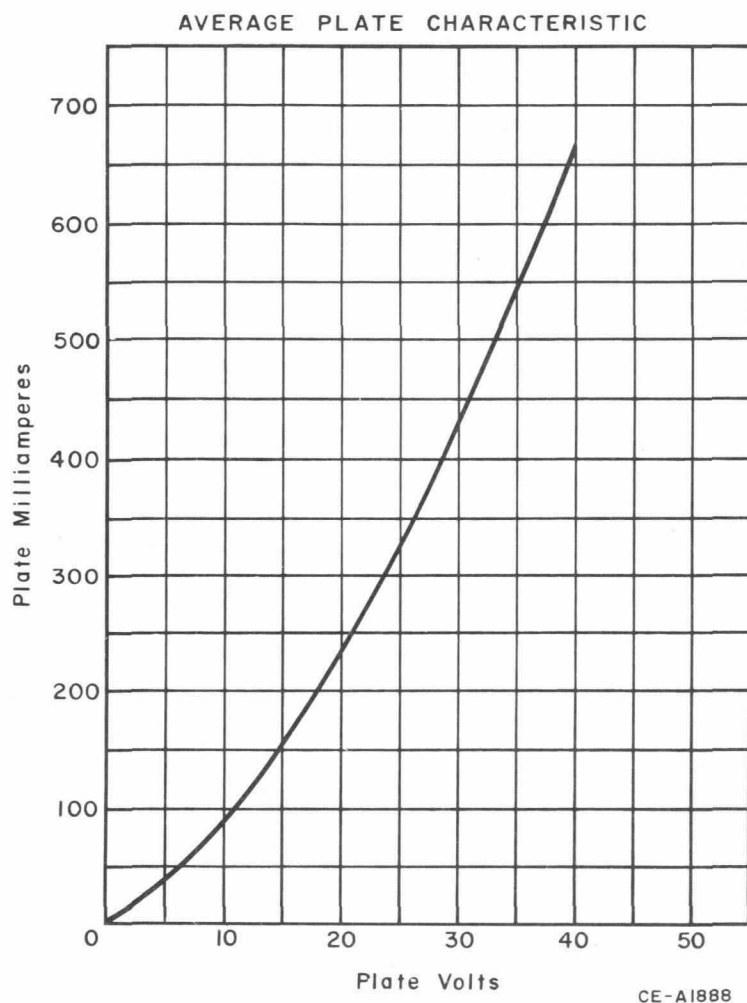
Design Center Values

Peak Inverse Voltage (Absolute).....	3850	max.	Volts
Peak Plate Current	750	max.	Ma.
DC Plate Current	125	max.	Ma.
Heater-Cathode Voltage:			
Heater Negative with Respect to			
Cathode, DC (Absolute)	500	max.	Volts
Total DC and Peak	2300	max.	Volts
Heater Positive with Respect to			
Cathode, DC	100	max.	Volts
Total DC and Peak	300	max.	Volts
Voltage Drop at $I_b = 250$ Ma.	21	—	Volts
Plate Dissipation	3.5	max.	Watts

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 of the horizontal voltage pulse not to exceed 15% of one scanning cycle.





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