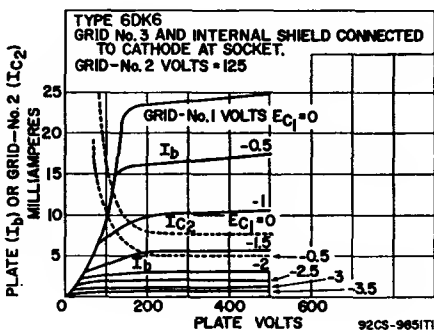


	3DK6	4DK6	6DK6	12DK6	
Heater Voltage (ac/dc)	3.15	4.2	6.3	12.6	volts
Heater Current	0.6	0.45	0.3	0.15	ampere
Heater Warm-up Time (Average)	11	11	—	—	seconds
Heater-Cathode Voltage:					
Peak value	{ +200 max	±200 max	±200 max	±200 max	volts
	{ -300 max				
Average value	100 max	100 max	100 max	100 max	volts
Direct Interelectrode Capacitances:					
Grid No.1 to Plate				0.025 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3 and Internal Shield				6.3	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield				1.9	pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	volts
Grid-No.3 (Suppressor-Grid) Voltage, Positive value	0	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	volts
Grid-No.2 Voltage	See curve page 300	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Plate Dissipation	2.3	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 165 volts	0.55	watt
For grid-No.2 voltages between 165 and 330 volts	See curve page 300	



CHARACTERISTICS

Plate Supply Voltage	125	volts
Grid No.3	Connected to cathode at socket	
Grid-No.2 Supply Voltage	125	volts
Cathode-Bias Resistor	56	ohms
Plate Resistance (Approx.)	0.35	megohm
Transconductance	9800	μ mhos
Plate Current	12	mA
Grid-No.2 Current	3.8	mA
Grid-No.1 Voltage (Approx.) for plate current of 20 μ A	-6.5	volts

6DL3

25DL3

HALF-WAVE VACUUM RECTIFIER

Novar type used as a damper tube in television receivers. Outlines section, 40B; requires novar 9-contact socket. Socket terminals 1, 3, 6, 8, and 9 should not be used as tie points. Type 25DL3 is identical with type 6DL3 except for heater ratings.



	6DL3	25DL3	
Heater Voltage (ac/dc)	6.3	25.2	volts
Heater Current	2.3	0.45	ampere
Heater Warm-up Time (average)	—	11	seconds
Direct Interelectrode Capacitances:			
Cathode to Plate and Heater		17	pF
Plate to Cathode and Heater		13	pF
Heater to Cathode		4.4	pF

Damper Service

For operation in a 525-line, 30-frame system

Peak Inverse Plate Voltage#	6500	volts
Peak Plate Current	1800	mA
Average Plate Current	400	mA
Plate Dissipation	11	watts
Bulb Temperature (At hottest point)	220	°C
Heater-Cathode Voltage:		
Peak value	+300 —6500	volts
Average value	+100 —900	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 800 mA	25	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle.

Refer to chart at end of section.

6DL4/EC88

Refer to chart at end of section.

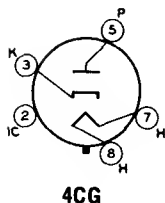
**6DL5
6DL5/EL95**

Refer to chart at end of section.
For replacement use type 6DM4A/6DA4.

**6DM4
6DM4A**

**6DM4A/
6DA4**
17DM4A

HALF-WAVE VACUUM RECTIFIER



Glass octal type used as damper tube in horizontal-deflection circuits of television receivers. Outlines section, 13G; requires octal socket. Socket terminals 1, 2, 4, and 6 should not be used as tie points. This tube, like other power-handling tubes, should be adequately ventilated. Type 17DM4A is identical with type 6DM4A/6DA4 except for heater ratings.

	6DM4A/6DA4	17DM4A	
Heater Voltage (ac/dc)	6.3	16.8	volts
Heater Current	1.2	0.45	amperes
Heater Warm-up Time (Average)	—	11	seconds

Damper Service

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	5000	volts
Peak Plate Current	1200	mA
Average Plate Current	200	mA
Plate Dissipation	6.5	watts
Heater-Cathode Voltage:		
Peak value	+300 —5000	volts
Average value	+100 —900	volts

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).