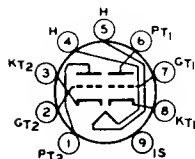


Plate Resistance (Approx.)	13000	28000	ohms
Transconductance	8000	8000	μ mhms
Load Resistance	2000	4000	ohms
Total Harmonic Distortion	10	10	per cent
Maximum-Signal Power Output	2.1	3.8	watts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:

For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.5	megohm

**9AJ****MEDIUM-MU TWIN TRIODE**

**6DJ8/
ECC88**
INDUSTRIAL
TYPE

Miniature type used as a cascode amplifier in vhf color and black-and-white television tuners. Outlines section, 6B; requires miniature 9-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.365	ampere

Heater-Cathode Voltage:

	Unit No. 1	Unit No. 2	
Peak value	—	—150	volts
Average value	50	—130	volts
Direct Interelectrode Capacitances:			
Grid to Plate	1.4	1.4	pF
Grid to Cathode, Heater, and Internal Shield	3.3	—	pF
Cathode to Grid, Heater, and Internal Shield	—	6.0	pF
Plate to Cathode, Heater, and Internal Shield	1.8	—	pF
Plate to Grid, Heater, and Internal Shield	—	2.8	pF
Plate to Cathode	—	1.8	pF
Heater to Cathode	—	2.7	pF
Grid to Heater	0.13	—	pF
Plate of Unit No. 1 to Plate of Unit No. 2	0.045	—	pF
Grid of Unit No. 2 to Plate of Unit No. 1	0.005	—	pF

Class A₁ Amplifier (Each Unit)**MAXIMUM RATINGS (Design-Center Values)**

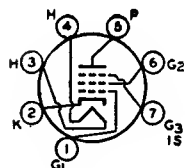
Plate Supply Voltage	130	volts
Cathode Current	25	mA
Plate Dissipation	1.8	watts
Negative Grid Voltage	50	volts
Plate Supply Voltage (cold condition)	550	volts

CHARACTERISTICS

Plate Voltage	90	volts
Grid Voltage	—1.3	volts
Amplification Factor	33	
Transconductance	12250	μ mhms
Plate Current	15	mA
Equivalent Noise Resistance	300	ohms

MAXIMUM CIRCUIT VALUES

Grid-Circuit Resistance	1.0	megohm
Heater to Cathode Circuit Resistance	0.02	megohm

**7CM****SHARP-CUTOFF PENTODE****3DK6, 4DK6, 12DK6****6DK6**

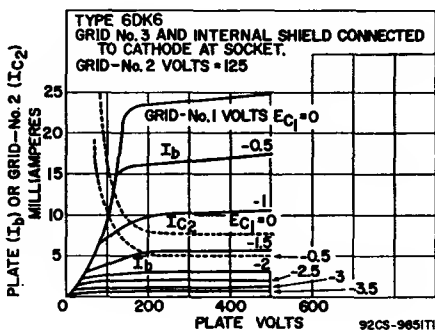
Miniature type used as if-amplifier tube in color and black-and-white television receivers. Outlines section, 5C; requires miniature 7-contact socket. Types 3DK6, 4DK6, and 12DK6 are identical with type 6DK6 except for heater ratings.

	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	μmhos
Plate Current	12	mA
Grid-No.2 Current	3.8	mA
Grid-No.1 Voltage (Approx.) for plate current of 20 μA	-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.

