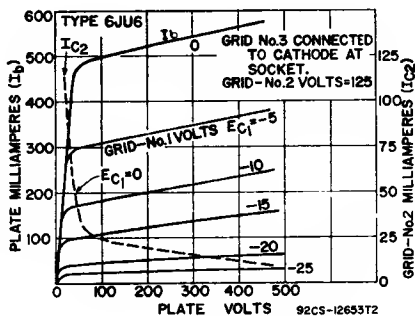
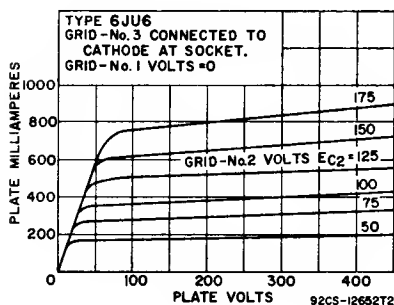


- # Pulse duration must not exceed 15% of one horizontal scanning cycle (10 microseconds).
 † Grid No.2 connected to plate.
 †† This value can be measured by a method involving a recurrent waveform such that the maximum ratings of the tube will not be exceeded.
 ■ In this service, a positive value may be applied to grid No.3 to minimize "snivets" interference; a typical value for this voltage is 30 volts.
 ■■ A bias resistor or other means is required to protect the tube in absence of excitation.



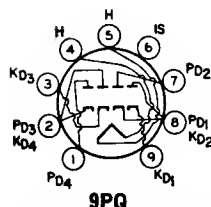
Refer to chart at end of section.

6JU8

QUADRUPLE DIODE

6JU8A

8JU8A



Miniature type used in phase-detector and noise-immune color-killer circuits of color television receivers, and in bridge-matrixing circuits in FM stereo multiplex equipment. Outlines section, 6B; requires miniature 9-contact socket. Units 1 and 2 are shielded from units 3 and 4 to minimize coupling between the series-connected pairs of diodes. Type 8JU8A is identical with type 6JU6A except for heater ratings.

	6JU8A	8JU8A	
Heater Voltage (ac/dc)	6.3	8.4	volts
Heater Current	0.6	0.45	ampere
Heater Warm-up Time	—	11	seconds
Peak Heater-Cathode Voltage	±300 max	±300 max	volts
Direct Interelectrode Capacitances (Approx.):			
Plate of Unit No.1 and Cathode of Unit No.2 to Cathode of Unit No.1		1.8	pF
Plate of Unit No.1 and Cathode of Unit No.2 to Plate of Unit No.2		2.2	pF
Plate of Unit No.2 to Heater and Internal Shield		0.62	pF
Plate of Unit No.3 and Cathode of Unit No.4 to Cathode of Unit No.3		1.9	pF
Plate of Unit No.3 and Cathode of Unit No.4 to Plate of Unit No.4		2.2	pF
Plate of Unit No.4 to Heater and Internal Shield		0.94	pF
Cathode of Unit No.1 to Heater and Internal Shield		1.8	pF
Cathode of Unit No.3 to Heater and Internal Shield		1.9	pF
MAXIMUM RATINGS (Design-Center Values, Each Diode Unit)			
Peak Inverse Plate Voltage		300	volts
Peak Plate Current		54	mA
Average Output Current		9	mA
CHARACTERISTICS, Instantaneous Value (Each Unit)			
Plate Current for plate voltage of 10 volts		60	mA