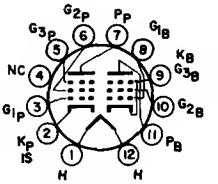
6T10
12T10

BEAM POWER TUBE—SHARP-CUTOFF PENTODE

Duodecar type used as combined FM detector and audio-frequency output amplifier in color and black-and-white television receivers. The beam power unit is used in af output stages, and the sharp-cutoff, dual-control pentode unit is used as an FM detector. Outlines section, 8C; requires duodecar 12-contact socket. For maximum ratings and characteristics, refer to type 6AL11. Type 12T10 is identical with type 6T10 except for heater ratings.



12EZ

	6T10	12T10	
Heater Voltage (ac/dc)	6.3	12.6	volts
Heater Current	0.95	0.45	amperes
Heater Warm-up Time (Average)	—	11	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:			
Unit No.1:			
Grid No.1 to Plate		0.22	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		11	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		10	pF
Unit No.2:			
Grid No.1 to Plate		0.032	pF
Grid No.3 to Plate		3	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3 and Internal Shield		6.5	pF
Grid No.3 to Cathode, Heater, Grid No.1, Grid No.2, Plate, and Internal Shield		7.5	pF
Grid No.1 to Grid No.3		0.12	pF
Plate of Unit No.1 to Plate of Unit No.2		0.13	pF

6U5 Refer to chart at end of section.

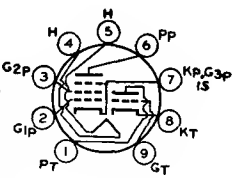
6U7G Refer to chart at end of section.

6U8 Refer to chart at end of section.

6U8A
6U8A/6KD8
5U8, 9U8A

MEDIUM-MU TRIODE—SHARP-CUTOFF PENTODE

Miniature types used as combined oscillator and mixer tube in color and black-and-white television receivers utilizing an intermediate frequency in the order of 40 MHz. Outlines section, 6B; require miniature 9-contact socket. Types 5U8 and 9U8A are identical with type 6U8A except for heater ratings.



9AE

	5U8	6U8A/6KD8	9U8A	
Heater Voltage (ac/dc)	4.7	6.3	9.45	volts
Heater Current	0.6	0.45	0.3	ampere
Heater Warm-up Time (Average)	11	11	11	seconds
Heater-Cathode Voltage:				
Peak value	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	volts
Direct Interelectrode Capacitances:		Unshielded	Shielded▲	
Triode Unit:				
Grid to Plate		1.8	1.8	pF
Grid to Cathode, Heater, Pentode Cathode, Pentode Grid No.3, and Internal Shield		2.8	2.8	pF
Plate to Cathode, Heater, Pentode Cathode, Pentode Grid No.3, and Internal Shield		1.5	2	pF