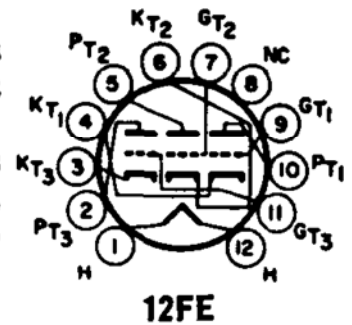


	Triode Unit	Pentode Unit	
Cathode Current	18	18	mA
Plate Dissipation	1.5	2.1	watts
Grid-No.2 Input	—	0.7	watt
CHARACTERISTICS			
Plate Voltage	100	160	volts
Grid-No.3 (Suppressor-Grid) Voltage	—	0	volts
Grid-No.2 Voltage	—	110	volts
Grid-No.1 (Control-Grid) Voltage	—2	—1.4	volts
Mu Factor, Grid No.1 to Grid No.2	—	45	
Amplification Factor	17	—	
Transconductance	5000	12000	μmhos
Plate Current	14	13	mA
Grid-No.2 Current	—	5	mA
MAXIMUM CIRCUIT VALUES			
Grid-No.1-Circuit Resistance	1	1	megohm

* With a maximum duty cycle of 0.10 and maximum pulse duration of 10 microseconds.

6U10 THREE-UNIT TRIODE

Duodecar type used in amplifier applications. Units No.1 and No.3 are medium-mu triode units, and unit No.2 is a high-mu triode unit. Outlines section, 8A; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 0.6; warm-up time (average), 11 seconds); maximum heater-cathode volts, ±275 (peak) for units 1 and 3; ±200 (peak) for unit 2; 100 (average) for each unit.



Class A₁ Amplifier

	Units Nos. 1 and 3	Unit No.2	
MAXIMUM RATINGS (Design-Maximum Values)			
Plate Voltage	330	330	volts
DC Grid Voltage:			
Positive-bias value	0	0	volts
Negative-bias value	50	50	volts
Average Cathode Current	20	—	mA
Plate Dissipation	2	1	watts
CHARACTERISTICS			
Plate Voltage	200	200	volts
Grid Voltage	—6	—1.5	volts
Amplification Factor	17.5	90	
Plate Resistance (Approx.)	7700	61000	ohms
Transconductance	2300	1600	μmhos
Plate Current	9.6	1.2	mA
Grid Voltage (Approx.):			
For plate current of 100 μA	—15	—	volts
For plate current of 35 μA	—	—3	volts
MAXIMUM CIRCUIT VALUES			
Grid-Circuit Resistance:			
For fixed-bias operation	1	0.5	megohm
For cathode-bias operation	2.2	1*	megohms

* This value may reach 10 megohms provided the plate-supply voltage and load resistance are such that the plate dissipation can never exceed 0.5 watt.

6V3A

HALF-WAVE VACUUM RECTIFIER

Miniature type used as a damper tube in horizontal-deflection circuits of television receivers. Outlines section, 7B; requires miniature 9-contact socket. This tube, like other power-handling tubes, should be adequately ventilated. Heater: volts (ac/dc), 6.3; amperes, 1.75.

