

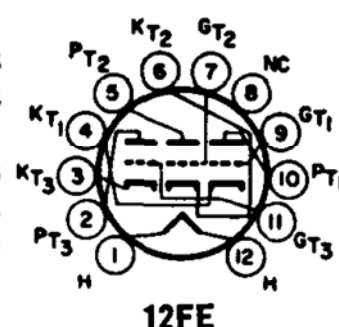
	Triode Unit	Pentode Unit	
Cathode Current	18	18	mA
Plate Dissipation	1.5	2.1	watts
Grid-No.2 Input	—	0.7	watt
CHARACTERISTICS			
Plate Voltage	100	160	volts
Grid-No.3 (Suppressor-Grid) Voltage	—	0	volts
Grid-No.2 Voltage	—	110	volts
Grid-No.1 (Control-Grid) Voltage	—2	—1.4	volts
Mu Factor, Grid No.1 to Grid No.2	—	45	
Amplification Factor	17	—	
Transconductance	5000	12000	μ mhos
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	μ mhos
Plate Current	9.6	1.2	mA
Grid Voltage (Approx.):			
For plate current of 100 μ A	—15	—	volts
For plate current of 35 μ A	—	—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.

