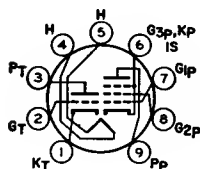


MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:

For fixed-bias operation	0.5	0.5	megohm
For cathode-bias operation	1	1	megohm



9DX

**HIGH-MU TRIODE—
SHARP-CUTOFF PENTODE**

10LZ8

Miniature type used in television receiver applications. The pentode unit is used as a video amplifier, and the triode unit for general-purpose use. Outlines section, 6E; requires miniature 9-contact socket. Heater: volts (ac/dc), 10.5; amperes, 0.45; warm-up time, 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

	Triode Unit	Pentode Unit	
Plate Voltage	300	225	volts
Grid-No.2 (Screen-Grid) Voltage	—	160	volts
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	volts
Plate Dissipation	1	4.5	watts
Grid-No.2 Input	—	2	watts

CHARACTERISTICS

Plate Supply Voltage	250	30	30	200	volts
Grid-No.2 Supply Voltage	—	140	140	140	volts
Grid-No.1 Voltage	—2	0	—1	—2	volts
Amplification Factor	110	—	—	—	
Plate Resistance (Approx.)	52000	—	—	150000	ohms
Transconductance	2100	—	11000	9500	ambos
Plate Current	1.1	30	16	12	mA
Grid-No.2 Current	—	13.5	9.5	2.5	mA
Grid Voltage (Approx.) for plate current of 10 μ A	—3.6	—	—	—	volts
Grid-No.1 Voltage (Approx.) for plate current of 500 μ A	—	—	—4	—4.2	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.5	0.5	megohm
For cathode-bias operation	1	1	megohm

Refer to chart at end of section.

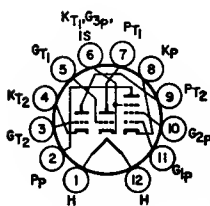
Refer to type 6AR11.

Refer to type 8BQ11.

11

11AR11

11BQ11



12GS

**DUAL TRIODE—
SHARP-CUTOFF PENTODE**

11BT11

Duodecar type used in television receiver applications. The triode units are used for general-purpose applications; the pentode unit is used in video-amplifier service. Outlines section, 8B; requires duodecar 12-contact socket. Heater: volts (ac/dc), 10.7; amperes, 0.6; warm-up time (average), 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

	Triode Unit No. 1	Triode Unit No. 2	Pentode Unit	
Plate Voltage	330	330	165	volts
Grid-No.2 (Screen-Grid) Voltage	—	—	165	volts
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	0	volts