**12DA****TWIN DIODE—TWIN TRIODE****6AG11****30AG11**

Duodecar type containing two diodes and two high-mu triodes, used primarily in FM stereo multiplex service. Outlines section, 8A; requires duodecar 12-contact socket. Type 30AG11 is identical with type 6AG11 except for heater ratings.

Heater Voltage	6AG11	30AG11	
Heater Current	6.3	30	volts
Heater Cathode Voltage:	0.75	0.15	ampere
Peak value	±200 max	±200 max	volts
Average	100 max	100 max	volts

Class A₁ Amplifier**MAXIMUM RATINGS (Design-Maximum Values)**

Plate Voltage	330	volts
Plate Dissipation	2	watts

CHARACTERISTICS

Plate Voltage	125	volts
Grid Voltage	—1	volt
Amplification Factor	66	
Plate Resistance (Approx.)	8500	ohms
Transconductance	7800	μmhos
Plate Current	7.5	mA
Grid Voltage (Approx.) for plate current of 30 μA	—5	volts

Diode Units (Each Unit)**MAXIMUM RATINGS (Design-Maximum Values)**

Plate Current	5	mA
---------------	---	----

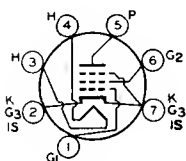
CHARACTERISTICS

Tube Voltage Drop for plate current of 18 mA	5	volts
--	---	-------

Refer to chart at end of section.

6AH4GT

Refer to chart at end of section.

6AH6**7BD****SHARP-CUTOFF PENTODE****6AK5
6AK5/
EF95**

Miniature types used as rf or if amplifiers especially in high-frequency wide-band applications at frequencies up to 400 MHz. Outlines section, 5B; require miniature 7-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.175	ampere
Peak Heater-Cathode Voltage	±90 max	volts
Direct Interelectrode Capacitances (Approx.):*		
Grid No.1 to Plate	0.02 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	4	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	2.8	pF

* With external shield connected to pin 2 or 7.

Class A₁ Amplifier**MAXIMUM RATINGS (Design-Center Values)**

Plate Voltage	180	volts
Grid-No.2 (Screen-Grid) Voltage	See curve page 98	
Grid-No.2 Supply Voltage	180	volts
Grid-No.1 Voltage, Positive-bias value	0	volts
Plate Dissipation	1.7	watts