

12G-B7 is a beam power pentode designed for use as a horizontal deflection amplifier in television receivers utilizing 110°-deflection system picture tube.

BASE B8-118, B7-119, B6-122, B5-190

TOP CAP C1-2 Skirted Miniature

MOUNTING POSITION—Any

HEATER

Voltage 12.6 (V)

Current 0.6 (A)

Warm-up Time 11 (sec)

DIRECT INTERELECTRODE

CAPACITANCES (Without Shield)

Grid No. 1 to Plate 0.55 (pF)

Input 17.5 (pF)

Output 7 (pF)

MAXIMUM RATINGS (Design Center Values)§	TYPICAL OPERATION
D.C. Plate Voltage 700 (V)	Plate Voltage 40 100 (V)
Peak Pulse Plate Voltage { +7,700◇ (V) -1,850 (V)	Grid No. 2 Voltage 100 100 (V)
Grid No. 2 Voltage 250 (V)	Grid No. 1 Voltage 0 -7.7 (V)
Peak Negative Grid No. 1 Voltage -1,000 (V)	Plate Current 240 100 (mA)
Plate Dissipation 15 (W)	Grid No. 2 Current 19 7 (mA)
Grid No. 2 Dissipation 5 (W)	Transconductance — 14,000 (μS)
Total Cathode Current 200 (mA)	Plate Resistance (Approx.) — 5.3 (kΩ)
Peak Heater—Cathode Voltage	
Heater negative with respect to cathode 225 (V)	
Heater positive with respect to cathode 225Δ (V)	
Grid No. 1 Circuit Resistance	
For Grid Resistor Bias 1.0 (MΩ)	

§ For operation in a 525-line, 30-frame system.

◇ The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle.

Under no circumstances should this absolute value be exceeded.

Δ The D.C. component must not exceed 100 volts.

AVERAGE PLATE CHARACTERISTICS

