

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**

