

12G-B3 is a high-perviance, beam pentode designed for use as a horizontal deflection output amplifier in transformer-less television receivers.

BASE B5-187 Octal

TOP CAP C1-2 Skirted Miniature

MOUNTING POSITION—Any

HEATER

Voltage 12.6 (V)

Current 0.6 (A)

Warm-up Time 11 (sec)

MAXIMUM RATINGS (Design Center Values)§		TYPICAL OPERATION	
D.C. Plate Voltage	550 (V)	Plate Voltage	40 100 (V)
Peak Pulse Plate Voltage	$\begin{cases} +6,600 \diamond \\ -1,500 \end{cases}$ (V)	Grid No. 2 Voltage	100 100 (V)
Grid No. 2 Voltage	200 (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	10 (W)	Grid No. 2 Current	19 7 (mA)
Grid No. 2 Dissipation	5 (W)	Transconductance	— 14,000 (μS)
Total Cathode Current	150 (mA)	Plate Resistance	(Approx.) — 5.3 (k Ω)
Peak Heater—Cathode Voltage			
Heater negative with respect to cathode	200 (V)		
Heater positive with respect to cathode	200 Δ (V)		
Grid No. 1 Circuit Resistance	2.2 (M Ω)		

§ 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 on circumstances should this absolute value be exceeded.
 △ The D.C. component must not exceed 100 volts.

AVERAGE PLATE CHARACTERISTICS

