

6G-B3A is a high perviance, beam pentode designed for use as a horizontal deflection output tube in television receivers.

BASE B5-187 Octal

TOP CAP C1-2 Skirted Miniature

MOUNTING POSITION—Any

HEATER

Voltage6.3 (V)

Current1.2 (A)

MAXIMUM RATINGS (Design Center Values)§

Plate Voltage	550 (V)
Peak Pulse Plate Voltage	$\begin{cases} +6,600\Delta \text{ (V)} \\ -1,500 \text{ (V)} \end{cases}$
Grid No. 2 Voltage	200 (V)
Peak Negative Grid No. 1 Voltage	1,000 (V)
Plate Dissipation	13 (W)
Grid No. 2 Dissipation	5 (W)
Total Cathode Current	150 (mA)
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 no circumstances should this absolute value be exceeded.

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

TYPICAL OPERATION

Plate Voltage	40	100 (V)
Grid No. 2 Voltage	100	100 (V)
Grid No. 1 Voltage	0	-7.7 (V)
Plate Current	240	100 (mA)
Grid No. 2 Current	19	7 (mA)
Transconductance	--	14,000 (μ S)
Plate Resistance		
(Approx.)	--	5.3 (k Ω)

AVERAGE PLATE CHARACTERISTICS

