12G–K17 is a high-perviance, half-wave rectifier tube designed for use as a damper in transformer-less television receivers.

**BASE**  B5–85 Octal

**MOUNTING POSITION**—Any

**HEATER**
- Voltage ................. 12.6  (V)
- Current .................. 0.6  (A)
- Warm-up Time ............... 11  (sec)

**MAXIMUM RATINGS (Design Center Values)§**
- Peak Inverse Plate Voltage 4,500◊ (V)
- Peak Plate Current 1,050 (mA)
- D.C. Plate Current 175 (mA)
- Peak Heater—Cathode Voltage
  - Heater negative with respect to cathode 4,500△ (V)
  - Heater positive with respect to cathode 300☆ (V)

§ For operation in a 525-line, 30-frame television 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.
△ The D.C. component must not exceed 900 volts.
☆ The D.C. component must not exceed 100 volts.

**Notice:** Socket terminals 1, 2, 4 and 6 should not be used as tie points.

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**AVERAGE PLATE CHARACTERISTICS**

![Graph showing average plate characteristics with PLATE CURRENT (mA) on the y-axis and PLATE VOLTAGE (V) on the x-axis.]