



ELECTRONIC TUBE REFERENCE

6888

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Dual-control pentode designed specifically for switching and early computer circuitry, supporting logic, gating, and pulse-control functions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	80 mA
<p><i>Sylvania 6888 dual-control computer pentode for pulse amplifiers, core drivers and coincidence logic. Indirect heater 6.3 V 0.8 A, eight-pin octal 8N basing. Absolute DC maximum plate voltage 250 V, DC cathode current 80 mA, plate dissipation 8 W, grid-2 screen dissipation 2 W, grid-3 dissipation 2 W. DISTINCT pulse-only limits: plate PEAK positive 500 V and peak cathode current 600 mA, subject to specified pulse duration and duty factor; never substitute for DC limits. Published screen positive DC max 150 V; grid-3 has own positive/negative bias and pulse limits. Unshielded direct capacitances: grid-1 to plate 0.70 pF, grid-3 to plate 3.8 pF, grid-1 input 12 pF, grid-3 input 6.0 pF, output 6.5 pF, grid-1 to grid-3 0.65 pF. No single intrinsic gm value promoted from non-equivalent grid/pulse modes.</i></p>	

Dual-control computer pentode designed for switching and computer service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Computer service	Yes	—

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