



ELECTRONIC TUBE REFERENCE

1221

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Special low-microphonics version of the Sylvania 6C6 sharp-cutoff pentode, designed for receiver and amplifier stages requiring reduced mechanical noise. It uses a six-pin base and retains the electrical characteristics of the standard 6C6.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	1500000 Ω
TRANSCONDUCTANCE	0.001225 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	0.75 W
MAXIMUM SCREEN DISSIPATION	0.1 W
<i>Sylvania 1221 special low-microphonics sharp-cutoff pentode electrically equivalent to 6C6, with six-pin base and 6.3 V 0.3 A indirect heater. Published 6C6 pentode service maxima: anode voltage 300 V, screen voltage 125 V, plate dissipation 0.75 W and screen dissipation 0.10 W. At the specified V_a 250 V pentode operating point $g_m \sim 1.225$ mA/V and plate resistance approximately 1.5 MΩ; these are typical, not limits. Manufacturer states 1221 non-microphonic construction differs from ordinary 6C6; interelectrode capacitances published for 6C6 and applicable by stated electrical equivalence.</i>	

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker