ELECTRONIC TUBE REFERENCE

6CJ5

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Remote-cutoff RF pentode for variable-gain high-frequency receiver amplification and automatic gain control.

General characteristics

BASE DESIGNATION	OCTAL	**BASE PINS**	9
NOMINAL HEATER	6.3 V / 200 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode

PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.3 W
MAXIMUM CATHODE CURRENT	10 mA

Remote-cutoff RF pentode. The supplied Philips/JETEC/RTMA sheet was read for heater data, section ratings, characteristics, operating conditions, and capacitances, with repeated identical sections compressed only where the locked workflow allows.

SOURCE OPERATING CONDITIONS

1999 Philips 0-D

SOURCE PDF

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

1999 PHILIPS 0-D

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**6.3 V**	—
Heater current	**200 mA**	—
Plate voltage	**250 V**	—
Screen voltage	**100 V**	—
Plate current	**6 mA**	—
Screen current	**1.7 mA**	—
Transconductance	**2200 uS**	—
Plate resistance	**1000000 ohm**	—
Screen-grid amplification factor	**18**	—
Controlled transconductance	**22 uS**	RemoteCutoffPoint

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Input capacitance	**4.7 pF**	—
Output capacitance	**8 pF**	—
Plate-grid capacitance maximum	**0.002 pF**	—

TUBE TINKER

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

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