



ELECTRONIC TUBE REFERENCE

6761

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for audio, broadband, telephone, industrial, or general power-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	6.3 V / 350 mA
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9A - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2P	B	P – Plate (Anode)	CONNECTED
PIN2 – 2G1	B	G1 – Control Grid	CONNECTED
PIN3 – 2K	B	K – Cathode	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – H	–	H – Heater	CONNECTED
PIN6 – 1P	A	P – Plate (Anode)	CONNECTED
PIN7 – 1G1	A	G1 – Control Grid	CONNECTED
PIN8 – 1K	A	K – Cathode	CONNECTED
PIN9 – HCT	–	HCT – Heater Center Tap	CONNECTED

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	23000 Ω
TRANSCONDUCTANCE	0.013 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	1.65 W
<i>Published maximum ratings and characteristic constants promoted; identical twin sections compressed when applicable.</i>	

Power amplifier pentode for telephone and industrial equipment, particularly broadband output amplifiers.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published handbook rating
Plate voltage	250 V	ClassA
Control-grid bias	3 V	ClassA
Plate current	1 mA	ClassA
Alternate plate voltage	100 V	ClassA OperatingPoint2
Alternate control-grid bias	1 V	ClassA OperatingPoint2
Alternate plate current	0.8 mA	ClassA OperatingPoint2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	58000 ohm	Published handbook characteristic
Transconductance	1200 μ S	Published handbook characteristic
Amplification factor	70	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	350 mA	Published heater/filament rating
Alternate plate resistance	58000 ohm	ClassA OperatingPoint2
Alternate transconductance	1200 μ S	ClassA OperatingPoint2
Alternate amplification factor	70	ClassA OperatingPoint2

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1.4 pF	Published capacitance column

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output capacitance	0.46 pF	Published capacitance column
Grid-to-plate capacitance	1.4 pF	Published capacitance column



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Ericsson Longlife

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

1965 ERICSSON LONGLIFE

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage	130 V	ClassA
Screen-grid supply voltage	130 V	ClassA
Cathode bias resistor	100 Ohm	ClassA
Plate current	70 mA	ClassA
Screen-grid current	3.5 mA	ClassA
Load resistance	1500 Ohm	ClassA
Power output	3 W	ClassA
Total harmonic distortion	10 %	ClassA
Transconductance minimum	11000 uS	—
Transconductance maximum	15000 uS	—
Plate current maximum	84 mA	—
Screen-grid current maximum	7 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	13000 uS	ClassA
Plate resistance	23000 Ohm	ClassA
Screen-to-control-grid amplification factor	8 ratio	ClassA

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X LM Ericsson

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

196X LM ERICSSON

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	1 A	—
Plate resistance	100 ohm	—
Amplification factor	2	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	275 V	—
Maximum screen voltage	220 V	—
Maximum plate dissipation	1 W	—
Maximum screen dissipation	1.65 W	—

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