



ELECTRONIC TUBE REFERENCE

6F32

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

High-frequency pentode designed for RF or wideband voltage amplification in radio-electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B07	BASE PINS	7
NOMINAL HEATER	6.3 V / 630 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.00335 S
AMPLIFICATION FACTOR	38
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4.5 W
MAXIMUM SCREEN DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	18 mA
<i>Electrical data extracted only from filename-designated tube block.</i>	

Small high-frequency pentode for Class A RF amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	120 V	—
Screen voltage	120 V	—
Plate current	7.5 mA	—
Screen current	2.5 mA	—
Transconductance	5000 μ S	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.6 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Heater Cathode Voltage	150 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Earth Capacitance	5.7 pF	—
Anode Control Grid Capacitance	0.0005 pF	—
ControlGridEarthCapacitance	10.5 pF	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Tesla Manual of Electronic Tubes

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

1969 TESLA MANUAL OF ELECTRONIC TUBES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal value
Heater current	175 mA	Published nominal value
Transconductance	5100 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	1.7 W	Published maximum rating


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	0 V	ии= 0В иг=1208 /
Published electrical parameter	8 V	0 20 40 60 80 100 120 м08 В -5 —% =3 2 =1 @
Published electrical parameter	200 Ω	при /,=6,3 В, 0,=120 В, 0сэ=120 В, Кк= 200 Ом
Published electrical parameter	10 V	(при Одд7=—10 В), мКА ... 100 «50 <20 —
Published electrical parameter	57 V	То же при Оц=57 В ... , 23, — —
Published electrical parameter	60 MHz	=60 МГц), кКОМ з к з ааво 2513 >12 >10 2>25
Published electrical parameter	10 kΩ	=10 кОм), мВ ... <200 69° >50 —
Frequency	5--600 Hz	днаПазоне частот 5--600 Гц@ — 10 6 —
Published electrical parameter	50 Hz	астоте 50 Гц @ 2,5 6 — —
Published electrical parameter	7601808 V	д 080 90 60 60 700 120 140 7601808 В —# —3 —й -1 0
Published electrical parameter	3.5 в	сверхминиатюрное (рис. 4Б). Масса 3,5 в,
Published electrical parameter	6.3 V	при (0в=6,3 В, И,
Published electrical parameter	-15 V	=---15 В, мКА В — <30
Published electrical parameter	5.7 V	То же, при Шн=5,7 В Ква 22 ' >2,3

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