

ELECTRONIC TUBE REFERENCE

EF9

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Variable-transconductance pentode for RF/IF amplification and resistance-coupled audio service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	300 V
Variable-transconductance pentode for RF/IF and resistance-coupled AF amplification.	

Variable-transconductance pentode for RF/IF and resistance-coupled AF amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Heating
Heater current	200 mA	Heating
Maximum plate voltage	300 V	Promoted published datasheet value
Max. Schirmgitterspannung bei $I_p =$	6 mA	Limiting values

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2200 μ S	Promoted published datasheet value
$V_2 =$	250 V	Published datasheet value
dagegen bei $V_1 = -$	3 V	Published datasheet value
I_p/V_1 -Kennlinie für $V_{g2} =$	115 V	Published datasheet value
$V_{g2} =$	100 V	Published datasheet value
bei $V_a =$	100 V	Published datasheet value
Anodenspannung $0 \leq V_o \leq V_a$	250 V	Published datasheet value
Fanggitterspannung für $V_g =$	0 V	Published datasheet value
Schirmgitterspannung für $V_{gz} =$	100 V	Published datasheet value
Anodenstrom für $I_p =$	6 mA	Published datasheet value
Schirmgitterstrom für $I_z =$	1.7 mA	Published datasheet value
Anodenspannung für $V_o =$	200 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Fanggitterspannung $V_s =$	0 V	Published datasheet value
Schirmgitterspannung $V_{iz} =$	100 V	Published datasheet value
Anodenstrom $I_z =$	6 mA	Published datasheet value
Anodenspannung $V_o =$	100 V	Published datasheet value
Schirmgitterspannung $V_{ez} =$	100 V	Published datasheet value
Neg. Gittervorspannung $V_e = -$	2.5 V	Published datasheet value
Anodenstrom $I_a =$	6 mA	Published datasheet value
s o T e =	18 W	Published datasheet value

TUBE TINKER

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