



ELECTRONIC TUBE REFERENCE

EF43

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Philips fixed-gain RF and IF amplifier pentode with substantial transconductance and plate-dissipation capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	RIMLOCK	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.0064 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3.75 W
MAXIMUM SCREEN DISSIPATION	0.7 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published ratings, characteristics and operating conditions reviewed.</i>	

EF43 is described in the supplied Philips datasheet as a RF/IF amplifier pentode. Published electrical ratings, characteristics and operating conditions were extracted from the supplied source.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V1a

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1A

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	200 mA	Published heater rating

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	RForIFAmplifier
Maximum plate voltage	300 V	Published limit
Maximum plate dissipation	3.75 W	Published limit
Maximum screen voltage	250 V	Published limit
Maximum screen dissipation	0.7 W	Published limit
Maximum cathode current	20 mA	Published limit



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	330 mA	—
Typical plate voltage	250 V	—
Typical plate current	15 mA	—
Typical screen current	3.5 mA	—
Transconductance	6400 μ S	—
Screen-grid amplification factor	17	—
Plate resistance	0.5 Mohm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	4.5 pF	—
Grid input capacitance	9.5 pF	—
Plate-grid capacitance maximum	0.006 pF	—
Grid-heater capacitance maximum	0.2 pF	—

TUBE TINKER

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