

ELECTRONIC TUBE REFERENCE

EFF50

Voltage - Dual Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
PENTODE-PENTODE

Twin RF pentode designed for ultra-short-wave push-pull and wideband parallel amplification, combining two matched high-frequency amplifier sections.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	350000 Ω
TRANSCONDUCTANCE	0.008 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	225 V
Twin sections electrically identical; one representative section row per compression rule.	

SECTION2 Pentode	
PLATE RESISTANCE	350000 Ω
TRANSCONDUCTANCE	0.008 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	225 V
Second identical physical pentode section; added to align rows with SectionCount.	

Twin RF pentode for ultra-short-wave push-pull and wide-band parallel 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	600 mA	Heating
Maximum plate voltage	300 V	Promoted published datasheet value
Maximum screen voltage	225 V	Promoted published datasheet value
V _{ao} max	550 V	Limiting values
V _a max	300 V	Limiting values
V _{g2} max	225 V	Limiting values

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	350000 Ω	Promoted published datasheet value
Transconductance	8000 μS	Promoted published datasheet value
V _{β2} =	225 V	Published datasheet value
m, V _{g1} =	225 V	Published datasheet value
V _{g2} =	225 V	Published datasheet value
V _a = $\ddot{a}$	50 V	Published datasheet value

TUBE TINKER

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