



ELECTRONIC TUBE REFERENCE

EFM1

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TUNING INDICATOR

Combination variable-transconductance audio pentode and electron-beam tuning indicator, integrating gain-control or AF amplification with visual receiver tuning.

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	Dissimilar

SECTION RATINGS

SECTION1 Pentode

No fixed ratings recorded.

Variable-gain LF pentode section.

SECTION2 Tuning Indicator

No fixed ratings recorded.

Electron-beam tuning-indicator section.

Combined variable-transconductance AF pentode and electron-beam tuning indicator.

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
Max. Anodenkaltspannung Vao = max	550 V	Limiting values
Max. Anodenspannung Ve == max	300 V	Limiting values
Max. Schirmgitterkaltspannung Vg2e = max	550 V	Limiting values
Max. Schirmgitterspannung Viz = max	300 V	Limiting values
Max. Schirmgitterbelastung W2 = max	0.4 W	Limiting values
Max, Kaltspannung am Fluoreszenzschirm Vso = max,	550 V	Limiting values
Max. Spannung am Fluoreszenzschirm Vi = max	300 V	Limiting values
Max. Kathodenstrom I, = max	5 mA	Limiting values

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vo =	130 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
V_o	250 V	Published datasheet value
punktkurve für $\gamma_b =$	250 V	Published datasheet value
$S_{\text{In}}(f)$ groÙere Slz; a'llgltungb. Ohm und γ_b ==	250 V	Published datasheet value
Heizstrom ϕ . . v v . . . I =	200 A	Published datasheet value
sowie des Fluoreszenzschirms . $V_e = V$, =	250 V	Published datasheet value
gelten Zustand e e e e e e e – $V_i = -$	20 V	Published datasheet value
Anodenstrom e	8 mA	Published datasheet value
Schirmgitterstrom . . e	0.6 mA	Published datasheet value
Strom zum Fluoreszenzschirm	0.65 mA	Published datasheet value
Anodenspannung	146 V	Published datasheet value
$WY V_p =$	180 V	Published datasheet value
Min, Spannung am Fluoreszenzschirm $V_i = \min$	200 V	Published datasheet value
Published electrical value	13 V	Published datasheet value

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