



ELECTRONIC TUBE REFERENCE

EFM11

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TUNING INDICATOR

Combination remote-cutoff audio pentode and visual tuning indicator, providing variable-gain amplification together with fluorescent receiver tuning or level indication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
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	
PLATE RESISTANCE	700000 Ω
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	0.4 W
MAXIMUM SCREEN DISSIPATION	0.2 W
<i>Published Telefunken values promoted where applicable; additional values retained as parameters.</i>	

SECTION2 Tuning Indicator	
<i>No fixed ratings recorded.</i>	
<i>Visual tuning-indicator section.</i>	

Remote-cutoff AF pentode combined with visual tuning indicator.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff characteristic	Remote cutoff	—

1959 TELEFUNKEN

Section 2 · Tuning Indicator

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Visual tuning indication	—



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
Maximum screen voltage	300 V	Promoted published datasheet value
Maximum plate dissipation	0.4 W	Promoted published datasheet value
Maximum screen dissipation	0.2 W	Promoted published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$V_a, = \max$	550 V	Limiting values
$V_a = \max$	300 V	Limiting values
$V_{g2}^\circ = \max$	550 V	Limiting values
$V_{g2} = \max$	300 V	Limiting values
$V_{g2} = \max$	0.2 W	Limiting values
$V_{lo} = \max$	550 V	Limiting values

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	700000 Ω	Promoted published datasheet value
Chauffage: indirect par C.h. ou C.C.; $V_{\text{€}} = 6,$	3 v	Published datasheet value
alimentation en parallèle I_f $= 0,20$	0 mA	Published datasheet value
$V_b=V_t =$	250 v	Published datasheet value
$V_a = 120$	172 v	Published datasheet value
$V_{g2} = 30$	166 v	Published datasheet value
$V_{e1} = -1,5$	-20 v	Published datasheet value
$I_a = 1,0$	0.58 mA	Published datasheet value
$I_{g2} = 0,63$	0.26 mA	Published datasheet value
$I_2 = 0,65$	1 mA	Published datasheet value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$C_a =$	6.6 pF	Capacitances
Capacités $C_{gl} =$	6.4 pF	Capacitances

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