



ELECTRONIC TUBE REFERENCE

EM3

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TUNING INDICATOR

Philips fluorescent tuning indicator for visual receiver tuning or signal-level indication.

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 Tuning Indicator

MAXIMUM PLATE VOLTAGE	275 V
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Primary functional section; see parameter rows for published operating conditions, ratings, and capacitances.

SECTION2 Triode

No fixed ratings recorded.

EM3 is a Philips fluorescent tuning-indicator tube with an indirectly heated cathode, intended to provide a visual indication of receiver tuning or signal level.

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 · Tuning Indicator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	6.3 V	Chauffage id., CC ou CA, alimentation Vf 6,3 V
Published electrical datum	200 mA	en parallele ou en eerie. If 0,200 A
Published electrical datum	0 MQ	Ra 1 0 MQ 1,0 MB
Published electrical datum	0 V	Is (Vg = 0 V) 0,~5 mA 0 3 mA
Published electrical datum	0 V	Ia (Vg = 0 V) 175 ipA 2~20 µA
Published electrical datum	0 V	Vg (G = 9ob1) - 0 V
Published electrical datum	0 V	Vg (G = i20)1 0 V -
Published electrical datum	-18 V	Vg (6 = 900)1) -18 V -21 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical datum	550 V	Van max. 550 V
Published electrical datum	275 V	Va max. 275 V
Published electrical datum	550 V	Vso max. 550 V
Published electrical datum	275 V	Vs max. 275 V
Published electrical datum	-1.3 V	Vg (Ig = +0,3 VA) max. -1,3 V
Heater voltage	6.3 V	Nominal heater rating
Heater current	200 mA	Nominal heater rating

TUBE TINKER

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and their source documents.

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