



ELECTRONIC TUBE REFERENCE

E3F

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Versatile Philips pentode for RF, IF, audio-frequency, oscillator, frequency-converter, and detector service. Its unusually broad documented application range allows it to perform most major small-signal functions in a radio receiver.

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	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	900000 Ω
TRANSCONDUCTANCE	0.0024 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	100 V
Universal pentode for HF, IF, LF, oscillator, converter and detector service	

E3F is a universal pentode for hf, if, lf, oscillator, converter and detector service. The supplied Philips datasheet was read for heater data, construction, ratings, characteristic constants, operating conditions, and capacitances where published.

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
Typical plate current	4.5 mA	HFIFAmplifier
Typical screen current	1.5 mA	HFIFAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.005 pF	Maximum