



ELECTRONIC TUBE REFERENCE

EH1

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEXODE

High-resistance hexode for first-detector/modulator and RF/IF amplifier service. Its multi-grid construction supports controlled mixing and signal amplification in radio receiver frequency-conversion stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Hexode	
PLATE RESISTANCE	2000000 Ω
TRANSCONDUCTANCE	0.0018 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
Hexode for first-detector/modulator and RF/IF amplifier service.	

Hexode for first-detector/modulator and RF/IF amplifier service.

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 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.3 V	Heating
Heater current	400 mA	Heating
Maximum plate voltage	250 V	Promoted published datasheet value
Maximum screen voltage	125 V	Promoted published datasheet value
Maximum plate dissipation	1.5 W	Promoted published datasheet value
Maximum screen dissipation	0.5 W	Promoted published datasheet value
V _{ao} max	550 V	Limiting values
V _a max	250 V	Limiting values
V _{g2o} max	400 V	Limiting values

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	2000000 Ω	Promoted published datasheet value
Transconductance	1800 μS	Promoted published datasheet value
I _a (V _{g1} =	-24 V	Published datasheet value
I _{g2} + 4 (V _{g1} =	-2 V	Published datasheet value
Sc (V _{g1} =	-2 V	Published datasheet value
Sc (V _{g1} =	-24 V	Published datasheet value
Ri (V _{g1} =	-2 V	Published datasheet value
Ri (V _{g1} =	-24 V	Published datasheet value
I _a (V _{g1} = V _{g3} =	-2 V	Published datasheet value
I _a (V _{g1} = V _{g3} =	-24 V	Published datasheet value
I _{g 2 t 4} (V _{g1} = V _{g3} =	-2 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$S_{a1} (I_a =$	3 mA	Published datasheet value
$S_{a1} (V_{g1} = V_{g1} =$	-24 V	Published datasheet value
$R_i (I_a =$	3 mA	Published datasheet value
$R_i (V_{g1} = V_{g1} =$	-24 V	Published datasheet value

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