



ELECTRONIC TUBE REFERENCE

E418

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEXODE

Early Philips indirectly heated hexode for oscillator-modulator and frequency-changing service. Its multi-grid structure allows oscillator and signal voltages to interact for conversion or modulation in early European receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Hexode	
TRANSCONDUCTANCE	0.00058 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	120 V
Philips indirectly heated hexode for oscillator-modulator service.	

E418 is a Hexode device in the supplied Philips literature. Philips indirectly heated hexode for oscillator-modulator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	OscillatorModulator
Plate current	3 mA	OscillatorModulator
Grid 1 bias	-1.5 V	OscillatorModulator
Screen voltage	120 V	OscillatorModulator
Screen current	8.5 mA	OscillatorModulator
Oscillator anode voltage	200 V	OscillatorModulator
Oscillator grid bias	-4 V	OscillatorModulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion transconductance	0.58 mA/V	OscillatorModulator
Internal resistance	150000 ohm	OscillatorModulator

TUBE TINKER

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