



ELECTRONIC TUBE REFERENCE

B424

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Early directly heated four-volt receiving triode for battery-operated amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	9000 Ω
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	200 V
Published table ratings and electrical characteristics reviewed; ambiguous cells were not inferred.	

B424 is listed in the supplied tube table as a triode. Published electrical values were transcribed from its target row.



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	200 V	Published table rating
Plate voltage	200 V	Published operating point
Control-grid bias	0.3 V	Published operating point
Plate current	6 mA	Published operating point

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	9000 ohm	Published table characteristic
Amplification factor	24	Published table characteristic
Heater/filament voltage	4 V	Published heater/filament rating
Heater/filament current	100 mA	Published heater/filament rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal anode current	6 mA	Published datasheet value
Grid bias	-3 V	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum transconductance	—3 mA/V	Published datasheet value
Normal transconductance	2.5 mA/V	Published datasheet value
Internal resistance	9000 Ω	Published datasheet value
Amplification factor	24	Published datasheet value
Anode-grid capacitance	4 pF	Published datasheet value

TUBE TINKER

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and their source documents.

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