



ELECTRONIC TUBE REFERENCE

B262

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Early directly heated Philips screen-grid tetrode for high- and intermediate-frequency amplification, emphasizing high gain and low anode-grid capacitance for receiver RF and IF stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2 V / 180 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	400000 Ω
TRANSCONDUCTANCE	0.0013 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	0.8 W
MAXIMUM SCREEN DISSIPATION	0.1 W
MAXIMUM CATHODE CURRENT	5 mA
<i>Published ratings and characteristics promoted where semantically applicable; additional published values retained as section parameters.</i>	

Philips B262 is an early directly heated screen-grid tetrode intended for high- and intermediate-frequency amplification. The datasheet specifies high amplification, low anode-grid capacitance, and screen-grid ratings.



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

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	150 V	Published datasheet value
Normal anode current	2 mA	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum transconductance	—1.4 mA/V	Published datasheet value
Normal transconductance	1.3 mA/V	Published datasheet value
Normal internal resistance	400 kΩ	Published datasheet value
Amplification factor	500	Published datasheet value
Mean screen-grid current	0.4 mA	Published datasheet value
Screen-grid current range	0.1–0.7 mA	Published datasheet value
Grid-current starting voltage	0.4 V	Published datasheet value
Maximum grid-circuit resistance	—1.5 MΩ	Published datasheet value
Anode-grid capacitance	0.008 pF	Published datasheet value

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