

ELECTRONIC TUBE REFERENCE

A425

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated high-resistance battery triode for low-current receiving and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	A32-1	BASE PINS	4
NOMINAL HEATER	4 V / 65 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	20800 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	200 V
Promoted only from clearly identified published characteristics/limits; additional operating, capacitance, regulator, gas-tube, and push-pull data retained as section parameters.	

Directly heated high-resistance battery triode with two published low-current operating points.

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
Plate voltage	200 V	BatteryValve;OperatingPoint1
Plate current	0.25 mA	BatteryValve;OperatingPoint1
Control-grid voltage	-2.5 V	BatteryValve;OperatingPoint1
Plate voltage	200 V	BatteryValve;OperatingPoint2
Plate current	0.1 mA	BatteryValve;OperatingPoint2
Control-grid voltage	-2.5 V	BatteryValve;OperatingPoint2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Internal resistance	80000 Ω	OperatingPoint1
Internal resistance	250000 Ω	OperatingPoint2
Amplification factor	25	Section1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-anode capacitance	3 pF	Section1

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	3 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	—
Plate current	0.25 mA	Ra=320kOhm
Plate current	0.1 mA	Ra=1000kOhm

TUBE TINKER

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