



ELECTRONIC TUBE REFERENCE

A442

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Directly heated battery tetrode for low-power receiver amplifier service, designed for economical operation from portable low-voltage supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	A35-3	BASE PINS	4
NOMINAL HEATER	4 V / 60 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	0.0007 S
AMPLIFICATION FACTOR	280
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	100 V
<i>Promoted only from clearly identified published characteristics/limits; additional operating, capacitance, regulator, gas-tube, and push-pull data retained as section parameters.</i>	

Directly heated battery tetrode for low-power receiver amplifier 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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	4 mA	BatteryValve
Control-grid voltage	-1 V	BatteryValve
Screen voltage	100 V	BatteryValve
Screen current	0.8 mA	BatteryValve

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	400000 Ω	Section1
Transconductance	700 μS	Section1
Amplification factor	280	Section1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-anode capacitance	0.01 pF	Section1

TUBE TINKER

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and their source documents.

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