

ELECTRONIC TUBE REFERENCE

VE418

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Subminiature low-filament-power tetrode designed as an electrometer amplifier with extremely high input resistance for precision measurement of very small electrical currents.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.25 V / 9 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM CATHODE CURRENT	0.012 mA
Total cathode current limit promoted from the searchable source table.	

Subminiature low-filament-power tetrode designed as an electrometer amplifier with very high input resistance. The same source also identifies this device as VE418.

SOURCE OPERATING CONDITIONS

1950 Victoreen

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

1950 VICTOREEN

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	1.12–1.38 V	—
Filament Current	9 mA	Nominal

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total Cathode Current	12 μ A	—
PositiveVoltageOnAnyElectrode	25 V	—
PlateCurrentAt250V	6–18 μ A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1Capacitance	2 pF	—
Grid2Capacitance	2 pF	—
Plate Capacitance	3 pF	—

TUBE TINKER

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and their source documents.

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