



ELECTRONIC TUBE REFERENCE

7479A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Revised vapor-cooled high-power triode for industrial heating and broadcasting, with 50-kW plate dissipation and published X-ray warning.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 200 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	12500 V
MAXIMUM PLATE DISSIPATION	50000 W
MAXIMUM GRID DISSIPATION	750 W
<i>Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.</i>	

General-purpose vapor-cooled power triode; revised high-power version with published X-ray warning.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Machlette Laboratories

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

1971 MACHLETTE LABORATORIES

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	38 pF	—
Grid-Filament Capacitance	58 pF	—
Plate-Filament Capacitance	2.5 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current	800 A	—
Maximum DC Plate Current	8 A	—

TUBE TINKER

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and their source documents.

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