ELECTRONIC TUBE REFERENCE

8094199

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Machlett high-vacuum high-voltage rectifier and hold-off diode for demanding pulse and power supplies. Its massive filament, roughly 110 kV inverse-voltage capability, and strong peak current suit specialized high-power systems.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	12 V / 23 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

MAXIMUM PLATE DISSIPATION	1500 W
PEAK INVERSE VOLTAGE	110000 V
PEAK FORWARD CURRENT	10 A
WARM-UP TIME	30 s

Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.

High-vacuum high-voltage rectifier / hold-off diode; printed type ML-8094/199.

SOURCE OPERATING CONDITIONS

1971 Machlette Laboratories

SOURCE PDF

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

1971 MACHLETTE LABORATORIES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average DC Load Current Single Phase Half Wave	**1.3 A**	Unfiltered
Average DC Load Current Three Phase Double-Y	**7 A**	Unfiltered
Average DC Load Current Three Phase Double-Y Filtered	**7.2 A**	ChokeInputFilter

TUBE TINKER

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