

ELECTRONIC TUBE REFERENCE

8495

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Extremely high-voltage high-mu power triode designed for pulse-modulator and high-voltage switching service. Rated to approximately 160 kV plate voltage, with 2.5 kW plate dissipation and pulse cathode current reaching roughly 22 A.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 29 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	250
MAXIMUM PLATE VOLTAGE	160000 V
MAXIMUM PLATE DISSIPATION	2500 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	22 A
Maximum ratings promoted from the printed pulse/CW service tables. X-ray flag follows the explicit source warning.	

The Machlett ML-8495 is a high-voltage triode for pulse-modulator and high-voltage switching service.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	250	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC/peak plate voltage	160000 V	—
Maximum plate dissipation	2500 W	—
Maximum grid dissipation	50 W	—
Maximum pulse cathode current	22 A	—