

ELECTRONIC TUBE REFERENCE

8464

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Machlett ruggedized shielded-grid high-mu triode designed as a hard-tube pulse-modulator switch. High plate voltage, substantial dissipation, and special construction suit severe high-energy pulse switching service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	25000 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM GRID DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	25 A
Maximum ratings promoted from the printed pulse/CW service tables. X-ray flag follows the explicit source warning.	

The Machlett ML-8464 is a ruggedized shielded-grid triode for hard-tube pulse-modulator switch 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	200	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC/peak plate voltage	25000 V	—
Maximum plate dissipation	1500 W	—
Maximum grid dissipation	25 W	—
Maximum pulse cathode current	25 A	—