



ELECTRONIC TUBE REFERENCE

LPT62

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Machlett high-power triode for transmitting and RF power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 62 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	400
MAXIMUM PLATE VOLTAGE	70000 V
MAXIMUM PLATE DISSIPATION	3000 W
MAXIMUM GRID DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	90 A
Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.	

Ruggedized LPT-62 version of ML-7715 pulse-switch triode.

SOURCE OPERATING CONDITIONS

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Plate Voltage	70000 V	Pulse
DC Grid Voltage	-600 V	—
Peak Positive Grid Voltage	1500 V	—
Peak Negative Grid Voltage	-1500 V	—
DC Plate Current	600 mA	—
Typical Pulse Power Output	3.5 MW	Pulse