



ELECTRONIC TUBE REFERENCE

8536

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Miniature ruggedized high-mu ceramic-metal planar triode for continuous-wave and pulsed service to approximately 3 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.038 S
AMPLIFICATION FACTOR	80
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	40 W
MAXIMUM GRID DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	5 A
General characteristics and applicable CW/pulsed maximum ratings promoted semantically.	

The Machlett ML-8536 is a miniature ruggedized high-mu ceramic/metal planar triode for cw and pulsed service to 3 ghz.



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	80	—
Transconductance	38000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	2500 V	—
Maximum plate dissipation	40 W	—
Maximum grid dissipation	1.5 W	—
Maximum pulse/cathode current	5 A	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker