



ELECTRONIC TUBE REFERENCE

8537

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
<i>General characteristics and applicable CW/pulsed maximum ratings promoted semantically.</i>	

The Machlett ML-8537 is a miniature ruggedized high-mu ceramic/metal planar triode for cw and pulsed service to 3 ghz.

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

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

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and their source documents.

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