ELECTRONIC TUBE REFERENCE

5531

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled power triode for industrial RF heating and AM-broadcast transmitter service.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 92 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	10500 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM CATHODE CURRENT	2 A
Maximum ratings and general characteristics promoted from the printed service tables.	

The Machlett 5531 is a forced-air-cooled industrial-heating and am-broadcast power triode.

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	**20**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	**10500 V**	—
Maximum plate dissipation	**10000 W**	—
Maximum plate/cathode current	**2 A**	—

Tube Tinker

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

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