ELECTRONIC TUBE REFERENCE

5530H

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled high-power triode for industrial RF heating and 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	8500 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM CATHODE CURRENT	1.8 A

Maximum ratings and general characteristics promoted from the printed service tables.

The Machlett 5530H is a forced-air-cooled industrial-heating and broadcast power 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

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Amplification factor	**20**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum DC plate voltage	**8500 V**	—
Maximum plate dissipation	**4000 W**	—
Maximum plate/cathode current	**1.8 A**	—

Tube Tinker

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

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