ELECTRONIC TUBE REFERENCE

3CW5000A1

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Low-mu water-cooled power triode for high-power audio amplifier or modulator service.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	7.5 V / —	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	5.6
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM CATHODE CURRENT	3 A

Promoted from printed general-characteristics and maximum-ratings blocks.

The EIMAC 3CW5000A1 is a low-mu water-cooled power triode for audio amplifier or modulator service.

SOURCE OPERATING CONDITIONS

1962 Eimac

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 EIMAC

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	**5.6**	—
Transconductance	**11000 uS**	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	**6000 V**	—
Maximum plate dissipation	**5000 W**	—
Representative maximum-signal plate current	**3 A**	—

Tube Tinker

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

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