



ELECTRONIC TUBE REFERENCE

3CX5000H3

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled ceramic/metal power triode intended for industrial RF-heating oscillator service. Its 5 kW plate-dissipation capability supports high-power industrial radio-frequency generators and related applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 51 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	3 A
<i>Maximum ratings promoted from the printed service-rating tables; typical operating values are preserved as parameters.</i>	

Air-cooled ceramic-metal industrial RF-heating power triode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input - - - - - 53 ppf	53 pF	—
Output S 1.5 ppf	1.5 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	10000 V	—
Maximum plate/cathode current	3 A	—
Maximum plate dissipation	5000 W	—
Maximum grid dissipation	500 W	—

TUBE TINKER

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and their source documents.

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