



ELECTRONIC TUBE REFERENCE

3CX5000A7

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu forced-air-cooled ceramic power triode intended for cathode-driven grounded-grid RF amplification. Its 5 kW plate-dissipation rating and multi-ampere capability suit high-power professional transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 17.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	2.5 A
<i>Maximum ratings promoted from the printed service-rating tables; typical operating values are preserved as parameters.</i>	

High-mu forced-air-cooled power triode for cathode-driven RF amplifier service.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	6500 V	—
Maximum plate/cathode current	2.5 A	—
Maximum plate dissipation	5000 W	—
Maximum grid dissipation	50 W	—

TUBE TINKER

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and their source documents.

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