ELECTRONIC TUBE REFERENCE

3CX20000A7

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-mu ceramic-metal power triode designed for grounded-grid RF amplification. With 20 kW plate dissipation and multi-ampere plate-current capability, it serves very-high-power professional transmitting systems.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 160 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	6 A

Maximum ratings promoted from the printed service-rating tables; typical operating values are preserved as parameters.

High-mu ceramic/metal power triode for grounded-grid RF amplification.

SOURCE OPERATING CONDITIONS

1962 Eimac

SOURCE PDF

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	8000 V	—
Maximum plate/cathode current	6 A	—
Maximum plate dissipation	20000 W	—
Maximum grid dissipation	500 W	—

Tube Tinker

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

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