



ELECTRONIC TUBE REFERENCE

3CX1500A7

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Rugged high-mu ceramic-metal transmitting triode for cathode-driven Class-AB2 or Class-B audio and RF amplification, including VHF and plate-modulated Class-C service. Published VHF operation reaches the FM broadcast band.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	5 V / 10.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.055 S
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM PLATE DISSIPATION	1600 W
MAXIMUM GRID DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	1 A
<i>Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.</i>	

The Eimac 3CX1500A7/3CX1500A7 is a rugged ceramic-metal high-mu power triode for cathode-driven class-AB2 or class-B audio and RF amplification, including VHF and plate-modulated class-C 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	38.5 pF	CathodeGrounded
Output Capacitance	0.1 pF	CathodeGrounded
Grid-Plate Capacitance	10 pF	CathodeGrounded

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Maximum	250 MHz	CW
Maximum DC Plate Current	1 A	ClassAB2
Typical Useful Output Power	2600 W	ClassB;Frequency=88-108MHz

TUBE TINKER

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