ELECTRONIC TUBE REFERENCE

X2170

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Water-cooled ceramic-metal very-high-power tetrode designed for medium- and high-frequency broadcasting and VLF communications service in major professional transmitters.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	18.5 V / 650 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Tetrode	
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	22500 V
MAXIMUM SCREEN VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	650000 W
MAXIMUM SCREEN DISSIPATION	7500 W
MAXIMUM GRID DISSIPATION	2000 W
MAXIMUM CATHODE CURRENT	65 A
Promoted from printed general-characteristics and absolute-maximum-ratings blocks.	

The EIMAC X2170 is a water-cooled ceramic/metal very-high-power tetrode for mf/hf broadcast and vlf communication 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 · Tetrode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	4.5	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	22500 V	—
Maximum DC screen voltage	2500 V	—
Maximum plate dissipation	650000 W	—
Maximum screen dissipation	7500 W	—
Maximum grid dissipation	2000 W	—
Maximum cathode/plate current	65 A	—

Tube Tinker

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

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