

ELECTRONIC TUBE REFERENCE

4CM300000G

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Eimac ceramic-metal high-power broadcast tetrode using multiphase cooling and pyrolytic-graphite grids. Designed for very high power in professional radio-frequency broadcasting service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	15 V / 480 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	20000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	300000 W
MAXIMUM SCREEN DISSIPATION	6000 W
MAXIMUM GRID DISSIPATION	2000 W
MAXIMUM CATHODE CURRENT	50 A
Promoted from printed general-characteristics and absolute-maximum-ratings blocks.	

The EIMAC 4CM300000G is a multiphase-cooled ceramic/metal high-power broadcast tetrode with pyrolytic-graphite grids.

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	20000 V	—
Maximum DC screen voltage	2000 V	—
Maximum plate dissipation	300000 W	—
Maximum screen dissipation	6000 W	—
Maximum grid dissipation	2000 W	—
Maximum cathode/plate current	50 A	—