



ELECTRONIC TUBE REFERENCE

6775

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Radial-beam transmitting tetrode, also designated 4-400C, designed for broadcast-quality RF power service with approximately 400 W plate dissipation and kilovolt operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	5 V / 14.7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	5.1
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	400 W
MAXIMUM SCREEN DISSIPATION	35 W
MAXIMUM GRID DISSIPATION	10 W
<i>Promoted fields populated from published ratings/characteristics; additional published values retained in TUBE_SECTION_PARAMETER.</i>	

6775/4-400C radial-beam broadcast-quality power tetrode; radiation and forced-air cooled.

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 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	12.5 pF	—
Output Capacitance	4.7 pF	—
Feedback Capacitance	0.12 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency of Maximum Rating	110 MHz	—
Maximum DC Plate Current	350 mA	ClassAB/ClassC
Typical Linear Plate Voltage	3000 V	ClassAB1
Typical Linear Useful Output Power	470 W	ClassAB1
Typical Class C Plate Output Power	1100 W	ClassC