



ELECTRONIC TUBE REFERENCE

6979

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Forced-air-cooled external-anode tetrode with brazed radiator, designed for RF Class-C service and interchangeable with 4X150A where greater plate dissipation is required.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 2.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE DISSIPATION	250 W
<i>External-anode power tetrode; source provides transmitting-service operating data.</i>	

Forced-air-cooled external-anode tetrode with brazed radiator, interchangeable with 4X150A where higher plate dissipation is needed.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 AMPEREX CONDENSED

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	250 W	—
Plate voltage	2000 V	RF ClassC
Plate current	250 mA	RF ClassC
Power output	410 W	RF ClassC
Grid current	12 mA	RF ClassC
Screen voltage	250 V	RF ClassC

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	250 MHz	FullInput
Grid-to-plate capacitance	0.03 pF	—
Input capacitance	15.7 pF	—
Output capacitance	4.5 pF	—