



ELECTRONIC TUBE REFERENCE

8587

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Liquid-cooled super-power beam tube for short-pulse RF amplification from 174-600 MHz, producing peak output around 2 MW during pulses up to roughly 15 microseconds.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	2500 W
<i>Same electrical family as RCA 6952; 2 MW short-pulse service.</i>	

Liquid-cooled super-power beam-power tube for short-pulse RF amplification from 174 to 600 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak RF power output	2 MW	ShortPulse
Pulse duration maximum	15 us	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	174 MHz	—
Frequency range maximum	600 MHz	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Liquid cooled	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Grid-driven plate-pulsed RF amplifier	—