



ELECTRONIC TUBE REFERENCE

CV2129

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Miniature VHF beam-power amplifier equivalent to the 5763 family, designed for RF power amplification, oscillation, and frequency multiplication to approximately 175 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	27000 Ω
TRANSCONDUCTANCE	0.007 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	65 mA
VHF beam-power section.	

The CV2129 is a miniature VHF beam-power amplifier equivalent to 5763/CV2129 and suitable for RF power, oscillator, and frequency-multiplier service.

SOURCE OPERATING CONDITIONS

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Frequency	175 MHz	Full ratings
Power Output	8 W	ClassC; OscillatorOrPowerAmplifier; 50MHz
Frequency Doubler Output	3.6 W	FrequencyMultiplier; 175MHz
Frequency Tripler Output	2.8 W	FrequencyMultiplier; 175MHz

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	250 V	ClassA
Anode Current	45 mA	ClassA
Screen Current	4.7 mA	ClassA