



ELECTRONIC TUBE REFERENCE

4D32

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power transmitting tube for Class-C RF amplification, oscillation, frequency multiplication, and modulated RF service, providing roughly 140 W typical RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 3.75 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	380 V
MAXIMUM PLATE DISSIPATION	80 W
MAXIMUM SCREEN DISSIPATION	14 W
MAXIMUM GRID DISSIPATION	0.75 W
MAXIMUM CATHODE CURRENT	2 A
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.</i>	

Beam-power RF tube for Class-C amplification, oscillator, frequency-multiplier and modulated RF service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	3.75 A	Published nominal value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	50 W	Published maximum rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Beam Power

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	3.75 A	—
Maximum frequency for full ratings	80 MHz	—
Typical class-C output power	140 W	—