



ELECTRONIC TUBE REFERENCE

7212

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Rugged beam-power tube for RF power-amplifier and oscillator service and audio power amplification under severe shock and vibration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.007 S
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	25 W
<i>Published ratings and characteristics promoted where clearly applicable; additional published values retained as parameters.</i>	

Rugged beam-power tube for RF power amplifier and oscillator service and AF power amplification under severe shock and vibration.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	1.25 A	Published nominal/aggregate value
Transconductance	7000 μ S	Published operating characteristic
Maximum frequency with reduced input	175 MHz	Published

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	25 W	Published maximum rating
Maximum CW input	90 W	ICAS up to 60 MHz

TUBE TINKER

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