

ELECTRONIC TUBE REFERENCE

C144

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Twin beam tetrode designed for push-pull high-frequency power amplification, with operation extending to approximately 200 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.125 A	PARALLEL HEATER	6.3 V / 2.25 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	20 W

SECTION2 Beam Power	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	20 W
Second identical physical beam-power section; added to align rows with SectionCount.	

Twin beam tetrode for push-pull HF power amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Series	12.6 V	Both sections
Heater Current Series	1.125 A	Both sections
Heater Voltage Parallel	6.3 V	Both sections
Heater Current Parallel	2.25 A	Both sections
Transconductance	9000 μ S	Per section

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	750 V	Per section
Maximum Screen Voltage	225 V	Per section
Maximum Anode Dissipation	20 W	Per section
Maximum Frequency	200 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Anode Capacitance	0.12 pF	Per section
Input Capacitance	14.5 pF	—
Output Capacitance	7 pF	—
Screen Bypass Capacitance	65 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

