

ELECTRONIC TUBE REFERENCE

BR179

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled Marconi transmitting triode for HF and VHF power service. With 8 kW plate dissipation and full ratings to about 100 MHz, it suits substantial communications and broadcast-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.6 V / 90 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	8500 V
MAXIMUM PLATE DISSIPATION	8000 W
MAXIMUM GRID DISSIPATION	600 W
MAXIMUM CATHODE CURRENT	16 A

Forced-air-cooled transmitting triode for HF/VHF power service.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	6.6 V	—
Filament Current	90 A	—
Amplification Factor	28	—
Transconductance	10000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	8500 V	—
Maximum Anode Dissipation	8000 W	—
Maximum Grid Dissipation	600 W	—
Maximum/Peak Cathode Current	16 A	—
Frequency at Full Ratings	100 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-Grid Capacitance	32 pF	—
Anode-Cathode Capacitance	1 pF	—
Grid-Cathode Capacitance	33 pF	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Forced air	—