



ELECTRONIC TUBE REFERENCE

BR195

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power forced-air-cooled Marconi transmitting triode for VHF RF service. Approximately 4 kW plate dissipation and 5 kV plate capability support substantial transmitter power with full ratings extending to roughly 220 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 67 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.018 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM GRID DISSIPATION	250 W

Forced-air-cooled transmitting triode for VHF power-amplifier 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 V	—
Filament Current	67 A	—
Amplification Factor	22	—
Transconductance	18000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	5000 V	—
Maximum Anode Dissipation	4000 W	—
Maximum Grid Dissipation	250 W	—
Frequency at Full Ratings	220 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-Grid Capacitance	16.5 pF	—
Anode-Cathode Capacitance	0.5 pF	—
Grid-Cathode Capacitance	26.5 pF	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Forced air	—

TUBE TINKER

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

