



ELECTRONIC TUBE REFERENCE

CAT26

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled thoriated-tungsten transmitting triode for communications and industrial RF-heating amplifier or oscillator service. Very high transconductance, roughly 12 kW plate dissipation, and kilovolt operation provide substantial industrial and transmitter power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10.5 V / 57 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.095 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	12000 W
MAXIMUM GRID DISSIPATION	700 W
MAXIMUM CATHODE CURRENT	15 A
Applicable promoted ratings mapped semantically from the printed approximate-data/ratings tables; useful non-promoted operating, capacitance and service data retained in TUBE_SECTION_PARAMETER.	

Water-cooled thoriated-tungsten transmitting triode for communications and RF-heating amplifier/oscillator service to 40 MHz.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current Maximum	80 A	—
Anode Water Flow Minimum	3 gal/min	—
Cooling Water Outlet Temperature Maximum	65 C	—
Frequency Full Rating Maximum	15 MHz	—
Frequency Reduced Rating Maximum	40 MHz	—
Anode-Grid Capacitance	22 pF	—
Anode-Cathode Capacitance	22 pF	—
Grid-Cathode Capacitance	25 pF	—
Typical RF Output Power	26000 W	ClassC
Typical RF Output Power	16200 W	ClassC
Typical Anode-Modulated Output Power	13500 W	ClassC;AnodeModulated

TUBE TINKER

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

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