

Water-cooled thoriated-tungsten transmitting triode for communications and industrial RF-heating power-amplifier service. Approximately 75 kW plate dissipation and 16 kV capability provide extremely high continuous RF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	17.5 V / 176 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0244 S
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM PLATE DISSIPATION	75000 W
MAXIMUM GRID DISSIPATION	4000 W
MAXIMUM CATHODE CURRENT	50 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 power-amplifier service to 26 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	250 A	—
Anode Water Flow Minimum	20 gal/min	—
Cooling Water Outlet Temperature Maximum	65 C	—
Frequency Full Rating Maximum	5 MHz	—
Frequency Reduced Rating Maximum	26 MHz	—
Anode-Grid Capacitance	1.8 pF	—
Anode-Cathode Capacitance	56 pF	—
Grid-Cathode Capacitance	101 pF	—
Typical Plate Voltage	16000 V	AnodeModulated
Typical RF Output Power	90000 W	AnodeModulated

TUBE TINKER

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and their source documents.

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