

Evaporatively cooled high-power transmitting triode with coaxial electrode connections for RF, audio, oscillator, and modulator service. Rated for approximately 50 kW plate dissipation and 12 kV plate voltage for major transmitter finals and industrial generators.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.5 V / 180 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.057 S
AMPLIFICATION FACTOR	77
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	50000 W
MAXIMUM GRID DISSIPATION	1500 W
MAXIMUM CATHODE CURRENT	15 A
Published ratings and characteristics promoted where clearly stated.	

Evaporatively cooled transmitting triode with coaxial electrode feedthroughs for RF, audio and oscillator circuits, chiefly transmitter finals, industrial generators and modulator stages.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	12.5 V	Nominal
HeaterCurrentNominal	180 A	Nominal
Maximum Plate Voltage	12000 V	—
Maximum Plate Dissipation	50000 W	—
MaximumGridDissipation	1500 W	—
Maximum Cathode Current	15 A	—
Maximum Frequency	30 MHz	—
RFOutputPower	50000 W	ClassB anode modulation; 1 MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	57000 μS	Typical
Amplification Factor	77	Typical

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