



ELECTRONIC TUBE REFERENCE

SRW353

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled VHF transmitting triode with concentric grid connection for grounded-grid television, VHF, and industrial RF service. Rated for approximately 15 kW plate dissipation and 8 kV plate voltage for substantial high-frequency transmitter power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.3 V / 150 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.04 S
AMPLIFICATION FACTOR	43.5
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	15000 W
MAXIMUM GRID DISSIPATION	400 W
MAXIMUM CATHODE CURRENT	5 A
Published ratings and characteristics promoted where clearly stated.	

Water-cooled VHF transmitting triode with concentric grid connection for grounded-grid operation in VHF and television transmitters and industrial RF generators.



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	5.3 V	Nominal
HeaterCurrentNominal	150 A	Nominal
Maximum Plate Voltage	8000 V	—
Maximum Plate Dissipation	15000 W	—
MaximumGridDissipation	400 W	—
Maximum Cathode Current	5 A	—
Maximum Frequency	220 MHz	—
RFOutputPower	20000 W	ClassC self-excited; 400 kHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	40000 μS	Typical
Amplification Factor	43.5	Typical

TUBE TINKER

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and their source documents.

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