

ELECTRONIC TUBE REFERENCE

SRS464

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Radiation-cooled transmitting tetrode intended for radar RF power service, with published operating examples, limiting ratings, capacitances, and high-frequency transmitter characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26 V / 2.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.011 S
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM GRID DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	500 mA
Promoted ratings/characteristics are source-published values; additional published values and operating examples are preserved in the parameter table.	

SRS464 is a radiation-cooled transmitting tetrode intended for radar. The source publishes heater data, static characteristics, operating examples, limiting ratings, capacitances, and mechanical or cooling requirements as applicable.



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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	26 V	Nominal
HeaterCurrentNominal	2.2 A	Nominal
Maximum Plate Voltage	20000 V	—
Maximum Screen Voltage	1500 V	—
Maximum Plate Dissipation	60 W	—
Maximum Screen Dissipation	8 W	—
MaximumGridDissipation	3 W	—
Maximum Cathode Current	500 mA	—
MaximumPulseDuration	2.5 us	Pulse
MaximumPulsePlateCurrent	18 A	Pulse
MaximumPulsePlateVoltage	25000 V	Overshoot

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	11000 μ S	Typical

TUBE TINKER

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and their source documents.

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