



ELECTRONIC TUBE REFERENCE

SRS501

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

RFT transmitting pentode for professional RF power amplification to approximately 50 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM SCREEN VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	110 W
MAXIMUM SCREEN DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Promoted ratings/characteristics are source-published values; additional published values and operating examples are preserved in the parameter table.</i>	

SRS501 is a radiation-cooled transmitting pentode intended for communications. 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	12.6 V	Nominal
HeaterCurrentNominal	1.5 A	Nominal
Maximum Plate Voltage	1500 V	—
Maximum Screen Voltage	450 V	—
Maximum Plate Dissipation	110 W	—
Maximum Screen Dissipation	15 W	—
Maximum Cathode Current	200 mA	—
Maximum Frequency	50 MHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4000 μS	Typical

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker