



ELECTRONIC TUBE REFERENCE

SRS455

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Radiation-cooled transmitting triode designed particularly for audio-frequency amplification. Rated for approximately 125 W plate dissipation and 3 kV plate voltage, while published ratings also permit high-frequency operation to roughly 200 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM GRID DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	350 mA
<i>Promoted ratings/characteristics are source-published values; additional published values and operating examples are preserved in the parameter table.</i>	

SRS455 is a radiation-cooled transmitting triode intended for audio-frequency amplification. 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	5 V	Nominal
HeaterCurrentNominal	6.5 A	Nominal
Maximum Plate Voltage	3000 V	—
Maximum Plate Dissipation	125 W	—
MaximumGridDissipation	4 W	—
Maximum Cathode Current	350 mA	—
Maximum Frequency	200 MHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2200 μ S	Typical