



ELECTRONIC TUBE REFERENCE

SRS551

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-transconductance RFT transmitting pentode for HF/VHF driver and final stages to approximately 150 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.018 S
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	10 W
MAXIMUM GRID DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	260 mA
<i>Published ratings and characteristics promoted where clearly stated.</i>	

Radiation-cooled transmitting pentode for driver and final stages in transmitters, especially VHF transmitters and modulators, and for electromedical equipment.

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	6.3 V	Nominal
HeaterCurrentNominal	2.1 A	Nominal
Maximum Plate Voltage	1000 V	—
Maximum Screen Voltage	600 V	—
Maximum Plate Dissipation	60 W	—
Maximum Screen Dissipation	10 W	—
MaximumGridDissipation	0.5 W	—
Maximum Cathode Current	260 mA	—
Maximum Frequency	150 MHz	—
RFOutputPower	155 W	ClassC; <30 MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	18000 μ S	Typical

TUBE TINKER

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