

ELECTRONIC TUBE REFERENCE

SRS4453

Voltage Dual Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-TETRODE

Radiation-cooled dual transmitting tetrode designed for pulse modulation and magnetron keying, capable of controlling approximately 40 kW in pulsed service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.8 A	PARALLEL HEATER	6.3 V / 2.2 A
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	950 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	3 W
MAXIMUM GRID DISSIPATION	3 W
Promoted ratings/characteristics are source-published values; additional published values and operating examples are preserved in the parameter table.	

SECTION2 Rectifier	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	950 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	3 W
MAXIMUM GRID DISSIPATION	3 W
<i>Second physical tetrode section; added to align rows with SectionCount.</i>	

Radiation-cooled dual transmitting tetrode for pulse modulation and magnetron keying up to about 40 kW control power.

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
AnodePulseCurrent	5.5 A	PulseModulator
AnodePulseCurrentMaximum	6.5 A	—
Pulse Duration Maximum	1 μ s	—
PulseRepetitionFrequencyMaximum	1600 Hz	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RFPower text	—