

ELECTRONIC TUBE REFERENCE

RS1896

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Vapor-cooled linear transmitting tetrode with approximately 100 kW plate dissipation for major broadcast and communications systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 175 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.04 S
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM SCREEN VOLTAGE	2400 V
MAXIMUM PLATE DISSIPATION	100000 W
MAXIMUM SCREEN DISSIPATION	1800 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	18 A
Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.	

Linear metal-ceramic-glass transmitting tetrode with coaxial electrode lead-throughs, vapor-cooled and

intended for high-power transmitter service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Siemens

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 SIEMENS

Section 1 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode/control grid	195 pF	—
Cathode/screen grid	70 pF	—
Cathode/anode	0.45 pF	—
Control grid/screen grid	145 pF	—
Control grid/anode	2.5 pF	—
Screen grid/anode	70 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current	55 A	—

TUBE TINKER

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and their source documents.

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