

ELECTRONIC TUBE REFERENCE

RS2004J

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Water-cooled coaxial tetrode with approximately 120 kW plate dissipation for RF amplifiers to roughly 220 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.5 V / 680 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.095 S
AMPLIFICATION FACTOR	4
MAXIMUM PLATE VOLTAGE	9000 V
MAXIMUM SCREEN VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	120000 W
MAXIMUM SCREEN DISSIPATION	1200 W
MAXIMUM GRID DISSIPATION	400 W
MAXIMUM CATHODE CURRENT	30 A
Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.	

Coaxial metal-ceramic transmitting tetrode, water-cooled with integrated cooling jacket, particularly

suitable for RF amplifiers up to 220 MHz.



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	205 pF	—
Cathode/screen grid	22 pF	—
Cathode/anode	1.2 pF	—
Control grid/screen grid	230 pF	—
Control grid/anode	5 pF	—
Screen grid/anode	90 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current	160 A	—

TUBE TINKER

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and their source documents.

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