



ELECTRONIC TUBE REFERENCE

RS1084CJ

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Water-cooled 70 kW-dissipation tetrode for extremely high-power broadcast and single-sideband transmitters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.5 V / 200 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.084 S
AMPLIFICATION FACTOR	6.6
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM SCREEN VOLTAGE	1600 V
MAXIMUM PLATE DISSIPATION	70000 W
MAXIMUM SCREEN DISSIPATION	750 W
MAXIMUM GRID DISSIPATION	350 W
MAXIMUM CATHODE CURRENT	15 A
<i>Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.</i>	

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

up to 250 MHz and broadcast/single-sideband transmitters.



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	136 pF	—
Cathode/screen grid	12 pF	—
Cathode/anode	0.3 pF	—
Control grid/screen grid	165 pF	—
Control grid/anode	1.9 pF	—
Screen grid/anode	43 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current	100 A	—

TUBE TINKER

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and their source documents.

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