ELECTRONIC TUBE REFERENCE

RS1082CL

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Forced-air-cooled high-power tetrode for SSB and television transmitters to approximately 250 MHz.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	10 V / 200 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Tetrode

TRANSCONDUCTANCE	0.065 S
AMPLIFICATION FACTOR	6.6
MAXIMUM PLATE VOLTAGE	10500 V
MAXIMUM SCREEN VOLTAGE	900 V
MAXIMUM PLATE DISSIPATION	30000 W
MAXIMUM SCREEN DISSIPATION	600 W
MAXIMUM GRID DISSIPATION	300 W
MAXIMUM CATHODE CURRENT	15 A

Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.

Coaxial metal-ceramic transmitting tetrode for frequencies up to 250 MHz, forced-air-cooled, particularly suitable for single-sideband and television transmitters.

SOURCE OPERATING CONDITIONS

1963 Siemens

SOURCE PDF

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	**125 pF**	—
Cathode/screen grid	**10 pF**	—
Cathode/anode	**0.2 pF**	—
Control grid/screen grid	**155 pF**	—
Control grid/anode	**1.6 pF**	—
Screen grid/anode	**40 pF**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Emission current	**80 A**	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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