



ELECTRONIC TUBE REFERENCE

RS1828

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Vapor-cooled coaxial metal-ceramic transmitting triode with integrated boiler for high-power medium- and short-wave broadcasting. Approximately 250 kW plate dissipation and exceptional transconductance support enormous broadcast RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 980 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.25 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	250000 W
MAXIMUM GRID DISSIPATION	7000 W
MAXIMUM CATHODE CURRENT	70 A
Maximum ratings kept separate from typical operating characteristics; fixed fields use published maximum-rating values where clearly applicable.	

Coaxial metal-ceramic transmitting triode, vapor-cooled with integrated boiler, suitable for high-power medium- and short-wave broadcast 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 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode/grid	600 pF	—
Cathode/anode	4 pF	—
Grid/anode	225 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current	500 A	—