



ELECTRONIC TUBE REFERENCE

RS2015CL

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled coaxial metal-ceramic Siemens power triode for zero-bias Class B audio and RF amplification. Rated for approximately 10 kW plate dissipation and 6.5 kV plate voltage, with output capability to about 25 kW.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 100 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.055 S
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM GRID DISSIPATION	500 W
Maximum ratings promoted from published rating tables; additional condition-specific values preserved in parameters.	

Coaxial metal-ceramic power triode, forced-air-cooled, intended to be used as a zero-bias class-B amplifier in audio or radio-frequency applications up to 25 kW power output.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	55000 μ S	—
Transconductance	55 mA/V mA/V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	7,5 V V	—
Heater current	$\approx$ 100 A A	—
Frequency	160 MHz MHz	—
Anode voltage (dc)	6,5 kV kV	—
Grid voltage (dc)	— 500 V V	—
Anode current (dc)	3,0 A A	—
Anode dissipation	10 kW kW	—
Grid dissipation	500 W W	—
Frequency	$\leq$ 30 MHz MHz	—
Carrier power	11,9 kW kW	—
Anode voltage (dc)	5,0 kV kV	—
Grid bias (dc)	— 200 V V	—
Peak grid voltage (ac)	490 V V	—
Anode current (dc)	3,0 A A	—
Grid current (dc)	0,8 A A	—
Anode input power	15 kW A	—
Drive power	380 W W	—
Anode dissipation	3,1 kW kW	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid dissipation	220 W W	—
Efficiency	79 %	—
Anode load resistance	825 Ω Ω	—
Transmitter Triode	2015 CL	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode/grid	$\approx$ 59 pF pF	—
Cathode/anode	$\approx$ 0,2 pF pF	—
Grid/anode	$\approx$ 36 pF pF	—
Transmitter Triode	2015 CL	—

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