



ELECTRONIC TUBE REFERENCE

RH7C

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Contact-cooled Siemens metal-ceramic disc-seal triode for microwave oscillators and amplifiers to about 7 GHz and frequency multiplication to about 9 GHz, using compact low-inductance construction for very-high-frequency service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.016 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM GRID DISSIPATION	0.15 W

Contact-cooled disc-seal triode in metal-ceramic construction for oscillators and amplifiers to about 7 GHz and frequency multipliers to about 9 GHz.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	7 GHz	Amplifier/Oscillator
Multiplier frequency	9 GHz	FrequencyMultiplier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-cathode capacitance	2.6 pF	—
Plate-grid capacitance	1.7 pF	—

TUBE TINKER

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and their source documents.

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