



ELECTRONIC TUBE REFERENCE

RS1009

Voltage - Dual Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-TETRODE

Radiation-cooled internally neutralized double tetrode designed for HF amplification, oscillation, modulation, frequency multiplication, and pulse-modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0045 S
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

SECTION2 Rectifier	
TRANSCONDUCTANCE	0.0045 S
Second physical tetrode section; added to align rows with SectionCount.	

Die RS 1009 ist eine strahlungsgekühlte Doppeltetrode mit innerer Neutralisation zur Verwendung als HF-Verstärker, Oszillator, Modulator, Frequenzvervielfacher und Impulsmodulator geeignet,

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
geeignet flr Frequenzen bis etwa 500 MHz	—	—
Frequenzen oberhalb 150 MHz ist ein schwacher Luftstrom auf Kolben und	—	—
Ug = 6,3V bzw, 12,6 Vv	—	—
Ua = 750 600 v	—	—
Ugz = 300 300 v	—	—
Ugs = -175 -175 v	—	—
Qa = 2x20 2x20 w	—	—
Qe = 7 7 w	—	—
Une = 100 100 v	—	—
f = 200 250 430 500 MHz	—	—
Ugz = 250 250 250 250 Vv	—	—
Ugs = -80 -80 -80 - v	—	—
Qa = 2x15 2x117,5 2x19 2x20 W	—	—
Qg2 = 4 4,25 4,5 5 W	—	—
RS 1009 HOCHFREQUENZVERSTARKER	—	—
f = 250 500 MHz	—	—
Uga = 300 300 v	—	—
Ugs = -175 -175 v	—	—
Qg = 8 8 W	—	—
Ufk = 100 100 \ 'A	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
f = 250 MHz	—	—
Ugl = 250 v	—	—
f = 250 500 MHz	—	—
Ug2 = 300 300 v	—	—
Ugy = -175 -175 v	—	—
Qa = 2x14 2x14 w	—	—
Qg2 = 7 7 w3)	—	—
Qg2 = 4,6 4,6 w4)	—	—
U = 100 100 v	—	—
Ua = 600 600 v	—	—
Ugz = 250 250 v	—	—
Ugt = -80 -80 v	—	—
Ugts = 105 130 v	—	—
UgZs = 90 90 v	—	—
Qg = 4 4 w	—	—
Ug2s = 90 90 \ 's	—	—
Ug2 = 300 v	—	—
Ugi = -175 v	—	—
Qg2 = 7 w	—	—
U82 = 280 v	—	—
Ugits = 0 30 30 v	—	—
RS 1009 HOCHFREQUENZVERDREIFACHER SIEMENS	—	—
1250 Hz (Impulsfolgefrequenz)	—	—
timp = 1250 500 Hz Impulsfolgefrequenz	—	—
Ua = 600 v	—	—
Ugz = 300 v	—	—
Qa = 2x20 w	—	—
Uge = 100 v	—	—
Ug2 = 250 250 250 v	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ugt = -25 -25 -25 v	—	—
Qa = 2x15 2x17 2x11,2 2x13,5 2x7,5 2x9,7 W	—	—
Ug =600V	—	—
w Ug = 600V 7	—	—
Ugy ==275V	—	—
Ug =300V //	—	—
Ugy = -25V)4	—	—
40 Ug =300V 100	—	—
Ugy = 250V	—	—
Ugy =~26V	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I = 7 1,8 A bzw, 0,9 A	—	—
s = 4,5 mA/V bei Ia = 30 mA	—	—
I = 2x110 2x110 mA	—	—
It = 2x5 2x5 mA	—	—
Ig2 = 16 17 18 20 mA	—	—
I = 2x2,5 2x1,5 2x2, 8 2x3 mA	—	—
Ia = 2x120 2x120 mA	—	—
Ig1 = 2x5 2x5 mA	—	—
Igz = 14 mA	—	—
Ig1 = 2x1,7 mA	—	—
Ia = 2x92 2x92 mA	—	—
Igs = 2x5 2x5 mA	—	—
Igz = 20 18 mA	—	—
Ia = 40 150 100 mA	—	—
Ig2 = 0 25 12 mA	—	—
Ia = 2x110 mA	—	—
IgZ = 1,2 26 1,9 28 2,8 28 mA	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I_{g1} = 0,2 \times 2,6 \text{ mA}$	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$C_e = 10,5 \text{ pF}$ $C_e = 6,7 \text{ pF}$	—	—
$C, = 3,2 \text{ pF}$ $C_a = 2,1 \text{ pF}$	—	—

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