



ELECTRONIC TUBE REFERENCE

RS1002A

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Siemens directly heated transmitting tetrode with a heavy five-volt filament. Available manufacturer material supports substantial RF power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 14.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	5.1
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

Siemens tetrode datasheet.

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
Ug = 5V	—	—
Ugz = 600 V ng = 35 w	—	—
Ug = -500 V Qgt = 10 W	—	—
f = 140 110 MHz	—	—
Ug2 = 500 500 \4	—	—
Ug1 = -170 -470 v	—	—
Ugits = 240 235 v	—	—
Qa = 280 225 w	—	—
Qg2 = 8 8,5 w	—	—
Qg1 = 0,4 0,3 w	—	—
Uz = 600 v Qg = 35w	—	—
Ugt = -500 v Qg = 10w	—	—
Uz = 500 500 500 v	—	—
Ugts = 305 308 305 v	—	—
Q2 = 18 19 20 w	—	—
Ugzs = 400 400 400 v 3)	—	—
Ugz = 600 v ng = 35 w	—	—
Ug = -500 V Qg = 10 w	—	—
f = 30 MHz	—	—
Ug2 = 500 \'	—	—
Ugi = -225 v	—	—
Ugts = 308 v	—	—
Ugz = 850 vV Qg2 = 35 w	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ugy = -500 V Qg1 10 w	—	—
Uy = 4000 3500 3000 \ 'Z	—	—
Ugz = 705 750 810 v	—	—
Ugy = -130 -135 -140 \ 's	—	—
Ugis =~ 0 130 0 135 0 140 \ 's	—	—
Qg2 = 0 7 5 0 9 6,3 0 12 8,5 w	—	—
Uge = goo v) Qg = 35w	—	—
Ug1 = -500 v Qg1 = 10 w	—	—
Ua = 4000 3500 v	—	—
Ugz = 750 750 v	—	—
Uy = -150 -145 v	—	—
Upz = goo v 1 Qg2 = W	—	—
Ugt = -500 Vv Qg1 = 10 w	—	—
Ugz = 750 750 v	—	—
Ugy = -137 -130 v	—	—
Qa = 2x240 2x400 2x366 2x370 w	—	—
Q2 = 0 2x10, 25 0 2x8,7 W	—	—
Ugz == 800 v 1) ng == 35 w	—	—
Ugy = -500 v Qg1 = 10 w	—	—
Ugz = 500 500 v	—	—
U = -90 -85 v	—	—
Uga = goo v 1) Qg2 = 35 w	—	—
Ug1 = -500 v Qg1 = 10 w	—	—
Ua = 3000 2500 v	—	—
Ug2 = 500 500 v	—	—
Uy = -80 -75 v	—	—
\ Ugy= 300 V 1 225	—	—
3 Ugy = Parameter [175	—	—
U92 = 300V	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hg2gt = 5,1 bei U, = 2,5 kV; – Ug2 = 500 v; I3 =100 mA	–	—
= 2,5 kV; Ugz =500 Vi I =100 –	–	—
I = 480 mA Ikep = 2,6 A –	–	—
I = 270 250 mA –	–	—
Ig2 = 16 17 mA –	–	—
Iyt = 9,5 9 mA –	–	—
I = 405 mA Igp = 2,6 A –	–	—
Igz = 30 mA –	–	—
Ik = 480 mA Iksp = 2,6 A –	–	—
Iz = 0 1C 7 0 12 8,4 0 15 10,5 mA –	–	—
I = 480 mA Ingp = 2,6 A –	–	—
Igz = 0 2x15 0 2x13,5 mA –	–	—
I = 480 maA Tap = 2,6 A –	–	—
Ig2 = 0 2x11 0 2x11,6 mA –	–	—
I = 480 mA Ixsp = 2,6 A –	–	—
Ia = 2x80 2x319 2x80 2x350 mA –	–	—
Ig2 = 0 2x20 0 2x20 mA –	–	—
Ig1 = 0 2x6 0 2x6,5 mA –	–	—
Ik = 480 mA Iksp = 2,6 A –	–	—
Ig2 = 0 2x20 0 2x30 mA –	–	—
Ig4 = 0 2x6,5 0 2x7 mA –	–	—
i =5 –	–	—
Ig2 = f(Uqg) –	–	—
ROHREN la =1(Uy) Igi =1(Uy,) –	–	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
s = 4mA/V bei U,	–	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ce = 12,7 pF	—	—
Ca = 4,9 pF	—	—
Cg1a = 0,12 pF	—	—

TUBE TINKER

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