

ELECTRONIC TUBE REFERENCE

RS1012L

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Siemens directly heated transmitting tetrode. Available source material identifies the RS1012 family with professional RF-power service without supporting a more detailed description.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.02 S
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

SOURCE OPERATING CONDITIONS

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
Us = 5 v	—	—
I _r = 10 A bei U = Uy = Ugq = 400 V	—	—
rg2gt = 5 bei Uy = 2...6 kV, Ugz = 600...800 V,	—	—
f = 220 MHz	—	—
Ug2 = 800 v	—	—
Ug1 = -400 v	—	—
Qg2 = 100 w	—	—
Qg1 = 30 w	—	—
Ug2 = 600 v	—	—
Ugls = 240 v	—	—
Uag1 = 4,5 kV	—	—
Ug2gt = 800 v	—	—
Ukg1 = 400 v	—	—
Qg2 = 100 w	—	—
Qg1 = 30 w	—	—
f = 220 MHz	—	—
Uag1 = 4 KV	—	—
Ug2g1 = 750 v	—	—
Ukgis = 260 v 310 V	—	—
Ukgis = 310 V fir den Entlastungsfall gilt	—	—
f = 220 MHz	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua = 2,5 KV	—	—
Ugt = -400 v	—	—
Ua = 2,5 KV	—	—
Ug2 = 1 KV	—	—
Ug1 = -180 v	—	—
Ugis = 300 v	—	—
Qa = 1,3 kw	—	—
2) für Modulationsfrequenz nicht verblockt	—	—
Kthldaten für maximale Anodenverlustleistung..... oo Qa = 4 kW	—	—
Up=60k A/ 5	—	—
] Ug7=+700 v	—	—
70 \ \ \ UgI=Parameter	—	—
U92 = 600 V	—	—
Ugz = 800 V	—	—
~180 Ugy= 600V	—	—
RS 1012 Ugy = 1 (Uy)ilg, = Parameter ,...2..,	—	—
Ugy= 600V	—	—
sHMENS U91 = f (Ua);'gz= Parameter	—	—
/A Ugp = 800V	—	—
+140 Ugy = f(Ua)	—	—
Ugy= 600 V	—	—
SIEMENS Ug1 = f (Ua) ;191 = Parameter	—	—
+140 Ugy= f(Ua)	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ia=1A	—	—
S = 20 mA/V bei Ua =3 kV, Ug2a =600V, I5=1A	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I_x = 2,5 \text{ A}$	—	—
$I_{xs} = 8 \text{ A}$	—	—
$I_k = 3 \text{ A}$	—	—
$I_{ksp} = 10 \text{ A}$	—	—
$I_k = 2,5 \text{ A}$	—	—
$I_{kap} = 9 \text{ A}$	—	—
$I_{g2} = 230 \text{ mA}$	—	—
$I_o = f(I_g) [1 \dots 7]$	—	—
$a_7 - T \quad I_g = f(U_y)$	—	—
$I_{gz} = 1 \text{ (Up) ROHREN}$	—	—
$+100 \dots B \quad I_o = 8A$	—	—
RS 1012 $U_{gr} = t \quad U_y) I_{lg} =$ Parameter siemens	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$C_{k-g1} = 34 \text{ pF}$	—	—
$C_{k-gZ} = 4,5 \text{ pF}$	—	—
$C_{k-a} = 0,11 \text{ pF}$	—	—
$C_{g1-g2} = 50 \text{ pF}$	—	—
$C_{gi-a} = 0,18 \text{ pF}$	—	—
$C_{g2-a} = 15 \text{ pF}$	—	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker