



ELECTRONIC TUBE REFERENCE

RS1022C

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Forced-air-cooled Siemens metal-ceramic tetrode particularly suited to high-power television transmitters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 32 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.017 S
MAXIMUM PLATE DISSIPATION	3200 W
<i>Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.</i>	

Die RS 1022 C ist eine forciert luftgekuhlte Tetrode in Metall-Keramik- Technik mit konzentrisch ausgebildeten Schirmgitter-, Steuergitter- und Kathodendurchfthnungen. Sie ist besonders fur die Besttickung von Fern- sehsendern in Steuergitter-Schirmgitterbasisschaltung geeignet. Ihre Anodenverlustleistung betrigt 3, 2 kW.

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

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I_e = 7,5 \text{ A}$ bei $U_a = U_{gZ} = U_{g1} = 100 \text{ V}$	—	—
--- $I_k = 1,5 \text{ A}$ 1)	—	—
$I_{ksp} = 7,5 \text{ A}$	—	—
; $I_{xep} = 7,5 \text{ A}$	—	—
-60 S T, =7 A $I_g = \text{Parameter}$	—	—
$U_{kg1} = f(U_{ag1})$ ' $I_{gz} = \text{Parameter}$ '	—	—
-60 "/ P 02 $I_{g2} = \text{Parameter}$	—	—
$I_{gy} = 0,94 \text{ I} = \text{Parameter}$	—	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$F_{g2g1} 4$ bei $U_a = 2 \text{ kV}$, $U_{gZ} = 300, \dots 500 \text{ V}$,	—	—
$s = 17 \text{ mA/V}$ bei $U, = 2 \text{ kv}$, $U_{gz} = 450 \text{ Vv}$,	—	—
-> $U_y = 3,8 \text{ kv}$	—	—
- $U_{gzg1} = 700 \text{ v}$	—	—
$U_{geg} = 300 \text{ v}$	—	—
$Q_{g1} = 15 \text{ w}$	—	—
$U_{agi} = 3,3 \text{ 3,3 KV}$	—	—
$U_{gzg1} = 600 \text{ ' } 600 \text{ v}$	—	—
$U_{ag} = 3,8 \text{ v}$	—	—
$U_{gagi} = 700 \text{ v}$	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Uggi = 300 v	—	—
Qg1 = 15 W	—	—
f = 600 790 MHz	—	—
Ug2g1 = 600 600 v \	—	—
Ukg1 = 160 160 v	—	—
Gittertellern her zugeführt wird, gelten für Q5 = 3 kW folgende	—	—
U9291= 600V	—	—
Uag, = Parameter Ugygy = 600 V	—	—
Ugygy =600V]	—	—
Upg= =50V	—	—
Ugrg;= 500 V - Ugnvy = 500 V	—	—
10 WA 10 ~_ Ugygy=~T0V	—	—
12 Ua97 = Parameter 12 Ukg, = Parameter	—	—
/ [08 = Ugygy =60V	—	—
. N\ Ugogi = 500V	—	—
Ukg1 =f {Uam)';'?a-: Par'ameferl	—	—
Ugogy = 600V	—	—
P_DH.,REN . s uk'g',1 ' =f=._!~(u551);_ g, = Parameter	—	—
~70 Ugogy = 500V - :	—	—
~70 Ugygy=600 V	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cig2 = 3 pF 3,2 pF	—	—
Cka = 0,06 pF 0,05 pF	—	—
Cg1g2 = 28 pF 28 pF	—	—

TUBE TINKER

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and their source documents.

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