



ELECTRONIC TUBE REFERENCE

RS1032C

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Siemens UHF transmitting tetrode with 10 kW plate dissipation for television broadcast service around 600-790 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 70 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.038 S
AMPLIFICATION FACTOR	6
MAXIMUM PLATE DISSIPATION	10000 W
<i>Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.</i>	

Die RS 1032 C ist eine forciert luftgekithite Tetrode in Metall-Keramik- Technik mit konzentrisch ausgebildeten Schirmgitter-, Steuergitter- und Kathodendurchftthrunen. Sie ist besonders fur die Besttickung von Fern- sehsendern in Steuergitter-Schirmgitterbasisschaltung geeignet. Ihre Anodenverlustleistung betragt 10 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ug = 4,1 ' Ne=530	—	—
Uag = 5,2 kv	—	—
Ug2gi = 800 v	—	—
Uxkg1 = 300 v	—	—
f = 600 790 MHz	—	—
Uagi = 5 5 kv	—	—
Ugagi = 700 700 v	—	—
Ukgt = 140 140 v	—	—
Uagi = 4,7 kv	—	—
Ugogt = 800 v	—	—
Ugegi = 300 v	—	—
Qg2 = 120 w	—	—
Qg1 = 30 w	—	—
f = 790 790 790 MHz	—	—
Uag1 = 4,5 3 4,5 kv	—	—
Ug2gi = 640 640 640 \	—	—
Ukgt = 140 140 140 v	—	—
ring fiilr hohe Frequenzen einer intensiven Kthlung bedlirfen, ist es zweckmi8ig,	—	—
leistung von 530 Watt ergibt, Dabei darf die Hochfrequenzansteuerung nicht an	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SIMENS U _{kg1} = f (U _{ag1}) a = Parameter 1032 C	—	—
-20 q = 10	—	—
1032 C U _{kg1} = f (U _{ag1}) jgz = Parameter	—	—
+100 ! / // U _{g2g1} = 700V	—	—
U = f(U _{pnqq}) 41 = Parameter	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I = 130 A	—	—
I _e = 20 A bei U, = U _{gpg} = U _{gy} = 200 V	—	—
I = 3,6 A _l	—	—
I = 4 A	—	—
I _{ksp} = 20 A	—	—
I _y = 2,4 1,9 1,2 A	—	—
15 I _y = F _{llg}) \\\ 06 15 [U _{gg0} =00V _	—	—
f(U _{kg1}) I _{gz} = f(U _{ag1})	—	—
-100 N - I _a =TGA_____	—	—
-80 \ = I _o = 16AT—	—	—
v I _o =20816 12 10] [og 06 05	—	—
I _{g2} = Parameter	—	—
! I _g =32A7	—	—
U _{kg1} =f (U _{ag1}) I _{g1} = Parameter	—	—
I _{g1} = Parameter	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
s = 38 mA/V bei U, = 2 KV, U _g , = 450 V	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ckg1 = 53. pF	—	—
Cra = 0,09 pF 2)	—	—
Cgza = 21 pF	—	—