



ELECTRONIC TUBE REFERENCE

RS1007

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Radiation-cooled transmitting tetrode for communications, electromedical equipment, and industrial high-frequency generators. Its heavy filament supports substantial RF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode

No fixed ratings recorded.

Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.

Strahlungsgekühlte Tetrode für Nachrichtentechnik, Elektromedizin und industrielle HF-Geräte.

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
fur Frequenzen bis 220 MHz	—	—
Rdhre mit Frequenzen oberhalb 50 MHz ist ein schwacher Luftstrom auf die	—	—
Ug = 5 v	—	—
] = 2,2 mA/V, bei U _a =3KkV; U _{ga} =400V; I _a =40 mA	—	—
Ug2 = 400 400 400 \'	—	—
Qg2 = 14 14 14 w	—	—
Ug2 = 350 350 350 v	—	—
Ugt = -50 -50 -50 v	—	—
Ugts = 50 55 65 \s	—	—
Qg2 = 0,35 0,35 0,52 w	—	—
Ug2 = 400 400 400 v	—	—
Qg2 = 20 20 20 w	—	—
Ugt = -500 -500 -500 v	—	—
f = 120 120 120 MHz	—	—
Ua = 2500 2000 1500 v	—	—
Ug2 = 350 350 300 v	—	—
Ugs = -210 -220 -150 v	—	—
Ugts = 380 390 250 v	—	—
Qg2 = 10,5 11,5 10 w	—	—
Ugzs = 300 300 255 v	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rs 1007 HOCHFREQUENZVERSTARKER SIEMENS	—	—
Ua = 3000 v	—	—
Ugz = 660 v	—	—
Ug1 = -500 v	—	—
Qg2 = 20 w	—	—
f = 120 120 MHz	—	—
Ugl = 600 600 v	—	—
Ug1 = -108 -103 v	—	—
Ugis = 0 108 108 0 103 103 v	—	—
UgZ = 660 v	—	—
Ug1 = -500 v	—	—
Ugz = 600 600 v	—	—
Ugy = -99 -100 v	—	—
Ugts = 0 99 99> 7 0 100 100 v	—	—
Qg2 = 0,6 16,2 6,6 0,6 9,6 4,8 w	—	—
Ugz = 600 v	—	—
Qg2 = 20 W je Rihre	—	—
Ugy = -500 v	—	—
Ugz = 600 600 600 v	—	—
Ugt = -97 -95,5 -94 v	—	—
Qg2 = 2x0, 1 \Zx7,8, 2x0, 1 vzx7,z, 2x0,1 2x8,1 w	—	—
Ugp = 400 v	—	—
Ugy = -500 v	—	—
Ua = 2500 2000 41500 v	—	—
Ugz = 350 350 350 v	—	—
Ugy = -51 -50 -48 v	—	—
5 Ug,=+200V Ugy= Parameter	—	—
15 Uy=+200V]	—	—
] Ugy = 30V	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I, W Ugr= #+ 200V	—	—
-50 Ugy = 350V	—	—
Ua = 3000V Ug	—	—
200 Ugy= 350V Ug2 350 Vv = 30V N 10	—	—
U = -50V Ug,= -50V = 50V	—	—
. Ugz = 3?0 v	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
If = 6,5 A	—	—
ig2 = 1 1 1,5 mA	—	—
Iy = 4,5 4 4	—	—
Ig1 = 15 15 15 mA	—	—
Ig2 = 30 33 33 mA	—	—
Igq = 4,5 5 10 mA	—	—
I = 225 mA	—	—
Ig2 = 1 27 11 1 16 8 mA	—	—
I91=0	—	—
Ia = 225 mA je Rbhre	—	—
I = 2x0, 1 2x13 2x0,1 2x12 2x0,15 2x13,5 mA	—	—
IgZ = 2x0, 1 2x18 2x0,15 2x32 2x0,25 2x42 mA	—	—
Ig1 =1 (Ua)	—	—
mA T 7 [I = f(Ug)	—	—
705 . A025 Igy=01A	—	—
2 Réhren in Gegentaktschaltung, Ig1 =0	—	—