



ELECTRONIC TUBE REFERENCE

RS1003

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Siemens power pentode documented in professional transmitting-tube literature. The available source establishes pentode construction, but provides limited extracted application wording beyond its transmitter-class context.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.018 S
MAXIMUM PLATE DISSIPATION	60 W
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ROHREN fur Frequenzen bis 100 MHz	—	—
Frequenzen bis 100 MHz geeignet.	—	—
Ug = 6,3 v	—	—
und U, = Uga =400V	—	—
Ug2 = 600 600 v	—	—
Ugt = -200 -200 v	—	—
Qg2 = 10 10 w	—	—
Qg1 = 0,5 0,5 w	—	—
Un = 200 200 v	—	—
Ugt = -45 -35 -35 -30 v	—	—
Ugts = 62 50 50 45 v	—	—
Qa = 60 53 55 46 w	—	—
Qg = 10 9,7 9,5 9,0 w	—	—
Qg4 = 0,24 0,22 0,2 0,25 w	—	—
Ug1 = -200 v	—	—
Qg1 = 0,5 w	—	—
Ua = 800 v	—	—
Ug2 = 300 v	—	—
Ugite = 110 v	—	—
Qg1 = 0,2 w	—	—
UgZ = 600 A\'	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ugi = -200 v	—	—
Qa = 60 w	—	—
Qg1 = 0,5 w	—	—
u = 200 v	—	—
Ug2 = 425 425 425 v	—	—
Ugt = -16,5 - -17,5 -18,5 v 1)	—	—
Qg2 = 2x1 2x10 2x1,7 2x10 2x1,2 2x9 w	—	—
U92= 300 v	—	—
i Ug=800V i	—	—
Ugq= 800V L1	—	—
ug=800 v / 1000 / =	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
s = 18 mA/V bei I, = 100 mA	—	—
s = 215 66 160 116 w	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ce = 23 pF	—	—
Ca = 12 pPF	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Iksp = 1,5 1,5 A	—	—
Rg = 50 50 @ (bei Iyy = 0)	—	—
Igz = 29 29 25 26 mA	—	—
Ioy = 14 15 14 14 mA	—	—
Ik = 260 mA	—	—
Iksp = 1,5 A	—	—
IgZ = 25 mA	—	—
Ik = 260 mA	—	—
Iksp = 1,5 A	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ia = 2x50 2x130 2x50 2x130 2x40 2x130 mA	—	—
Ug, = +20V Iq = f(Ug)	—	—
Ia=F(Ug,) 1000 1 / ' = Parameter	—	—
'a"gz =t (ug1) la =1(Uy) Ig2 =1(Uy) ROHREN	—	—
B Ia=f(Ug,) 00 ///+20 ? Ug,= Parameter	—	—