



ELECTRONIC TUBE REFERENCE

RS1041W

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled Siemens high-power transmitting triode for major RF service. Approximately 40 kW plate dissipation and very high transconductance provide substantial continuous transmitter power for large fixed communications and industrial systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.13 S
MAXIMUM PLATE DISSIPATION	40000 W
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

Siemens triode datasheet.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
fiir Frequenzen bis 30 MHz	—	—
218 F =% 1 a	—	—
Ug = 18 Vv	—	—
I, = 190 A bei Up = Ug = 750 V	—	—
" = 55 bei Uy =4...10	—	—
Qg = 4 4 kW	—	—
Q = 1,6 2,6 kW	—	—
RS 1041 HOCHFREQUENZVERSTARKER méus	—	—
Ug = -1200 -1200 v	—	—
Qg = 4 4 kw	—	—
Uge = 695 725 \s	—	—
Qg = 1,6 2,6 kW	—	—
Ug = -1200 -1200 v	—	—
Qg = 4 4 kW	—	—
Ug = -520 -800 -480 -720 v	—	—
Ugs = 1090 1370 1050 1290 v	—	—
RS 1041 HOCHFREQUENZVERSTARKER s	—	—
Ug = -1200 ~1200 v	—	—
Q = 4 4 kW	—	—
Ug = -520 -800 -480 -720 v	—	—
Ugs = 1090 1370 1050 1290 v	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Qg = 2,7 2,4 2,9 2,6 kw	—	—
Uy = -1000 v	—	—
Ugs = 1000 930 855 v	—	—
Qg = 3,6 3 3,4 kw	—	—
Uy = -1000 v	—	—
Qg = 4 kw	—	—
Ugs = 1000 930 855 v	—	—
Umod = 12 10,93 8,86 KV Scheitelwert	—	—
Ug = -180 -150 -115 -82 v	—	—
Ugs = 360 338 338 320 v	—	—
Q = 0,11 0,13 0,22 0,31 kW	—	—
Ugs = 720 676 676 642 v Hochstwerte	—	—
Qg = 4 4 kW	—	—
Ug = -180 -150 -115 -82 v	—	—
Ugs = 360 338 338 321 v	—	—
Uge = 720 676 676 642 v	—	—
Ug = - 800 v	—	—
Qg = 4 kw	—	—
Qg = 0 2x1,6 0 2x1,9 kw	—	—
RS 1041 NIEDERFREQUENZVERSTARKER UND MODULATOR VWER	—	—
Qg = 4 kW	—	—
Ua = 8 6 kv	—	—
Qg = 0 2x1, 95 0 2x1,8 kW	—	—
Ug=1kV]12 10	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
s = 130 mA/V bei U _a =4kV, I _a =5A4A	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgk = 240 pF	—	—
Cga = 120 pF	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I = 40 40 A	—	—
Iksp = 150 150 A	—	—
Iy = 4,2 5,8 A	—	—
I = 40 40 A	—	—
Ixep = 150 150 A	—	—
Ig = 4,2 5,8 A	—	—
I = 40 40 A	—	—
Iksp = 150 150 A	—	—
Ig = 5,4 5,2 5,9 5,5 A	—	—
Ik = 40 40 A	—	—
Iigp = 150 150 A	—	—
I = 5,4 5,2 5,9 5,5 A	—	—
I = 30 A	—	—
Ikep = 190 A	—	—
Ig = 7.4 6,9 7,6 A	—	—
I = 9,5 8,5 9,6 A }Hbchstwerte	—	—
Ig = 5,8 5,4 5,9 A }bei	—	—
Ik = 30 A	—	—
Ig = 9,5 8,5 9,6 A Hochstwerte	—	—
I = 25 25 A	—	—
Ig = 0,75 0,8 1,2 1,6 A	—	—
I = 25 25 A	—	—
Ixep = 150 150 A	—	—
Ip = 0,75 0,8 1,2 1,5 A	—	—
Ig = 5,7° 5,9 6,8 7,2 A 3)	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I _{xsp} = 120 A	—	—
I _g = 0 2x4,4 0 2x4,8 A	—	—
I _{gsp} = 0 2x23 0 2x24 A	—	—
I _y = 35 A	—	—
I _{xsp} = 120 A	—	—
I _g = 0 2x5 0 2x4,9 A	—	—
I _{glp} = 0 2x24 [} 2x22 A	—	—

TUBE TINKER

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and their source documents.

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