



ELECTRONIC TUBE REFERENCE

RS1016

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Siemens transmitting power triode for professional RF service. Approximately 450 W plate dissipation provides medium-power amplifier and oscillator capability for communications and industrial high-frequency equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE DISSIPATION	450 W
Ratings, characteristics, and operating tables audited semantically; repeated identical systems represented once where applicable.	

Siemens triode datasheet.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Bei Frequenzen > 50 MHz und bei voller Ausnutzung der Grenzwerte ist ein	—	—
Ug = 10 v	—	—
n = 28 bei Uy = 3,5kV; I; =125 mA	—	—
Ug = -350 - -300 -250 ~200 v	—	—
Ugs = 580 520 460 405 \	—	—
Qg = 50 w	—	—
Ua = 4000 3500 3000 2500 v	—	—
Ugs = 580 520 460 405 v	—	—
Qa = 450 450 425 390 w	—	—
f = 100 100 100 100 MHz	—	—
Ugs = 580 520 460 405 v	—	—
Qg = 50 w	—	—
f = 100 MHz	—	—
Ugr = 3400 v 2)	—	—
Ug = -500 v	—	—
Qg = 50 w	—	—
f = 100 100 MHz	—	—
Utr = 3400 2900 v 2)	—	—
Uasp = 5700 v	—	—
Ugr = 4000 v o2	—	—
Uy = -320 v	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Qg = 50 w	—	—
Qg = 50 w	—	—
Ug = -135 -114 v	—	—
Qg = 50 w	—	—
Ug = -94 -75 v	—	—
Qg = 2x210 2x345 2x175 2x387 w	—	—
Ua = 4000V	—	—
Ua = 3000V mA	—	—
Uy =-135V	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ig = 9,9 A	—	—
Ie = 5 A	—	—
Ig = 115 mA	—	—
Iy = 535 535 535 535 mA	—	—
Ig1 = 115 115 115 115 mA	—	—
I = 650 mA	—	—
Iksp = 5 A	—	—
Ig = 115 mA	—	—
I = 115 115 115 115 mA	—	—
I = 115 mA	—	—
I = 550 mA	—	—
Ieap = 5 A	—	—
Ig = 115 mA	—	—
Ig = 85 mA	—	—
I = 650 mA	—	—
Iksp = 5 A	—	—
Iy = 535 450 mA	—	—
Ig = 115 100 mA	—	—
I = 575 mA	—	—
Iksp = 5 A	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I = 700 \text{ mA}$	—	—
$I_{ksp} = 5 \text{ A}$	—	—
$I_g = 130 \text{ mA}$	—	—
$I_k = 700 \text{ mA}$	—	—
$I_{ksp} = 5 \text{ A}$	—	—
$I_g = 130 \text{ mA}$	—	—
$I_g = 0 \text{ 2x130 0 2x126 mA}$	—	—
$I_y \text{ } I_{gy} = 1(U_y)$	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$S = 4,5 \text{ mA/V}$ bei $U, = 3,5 \text{ kV};$ $I, = 125 \text{ mA}$	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$C_{ga} = 7,0 \text{ pF}$	—	—

TUBE TINKER

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and their source documents.

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