



ELECTRONIC TUBE REFERENCE

RS1021

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Siemens high-power transmitting triode for RF amplifier and oscillator applications. Approximately 3 kW plate dissipation and high transconductance provide substantial current handling and RF power for professional equipment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.03 S
MAXIMUM PLATE DISSIPATION	3000 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
Ug = 5 v	—	—
Ugi = -400 -400 -400 v	—	—
Qa = 3 3 3 KW	—	—
Qg1 = 60 60 60 w	—	—
Ua = 5 3,5 2,2 kv	—	—
Ug = -90 -60 -40 v	—	—
Ugts = 260 230 180 v	—	—
Qg4 = 45 46 36 w	—	—
f = 220 MHz	—	—
Ugi = -400 v	—	—
Qg1 = 60 w	—	—
f = 220 MHz	—	—
Ua = 2,2 kv	—	—
Ug1s = 180 v	—	—
f = 30 MHz	—	—
Uyt = -400 v	—	—
Qg1 = 60 w	—	—
Ug1s = 290 v	—	—
Qg1 = 52 w	—	—
Ua = 5 kv	—	—
Ugy = -400 \4	—	—
Qg1 = 60 w	—	—
Ua = 5 kv	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$U_{g1} = 70 \text{ V}$	—	—
$U_{gis} = 130 \text{ V}$	—	—
$Q = 2,8 \text{ kW}$	—	—
$Q_{g1} = 3 \text{ W}$	—	—
$U_{gits} = 260 \text{ V}$	—	—
$Q_{g1} = 59 \text{ W}$	—	—

CURRENT		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$I = 10 \text{ A}$ bei $U_y = U_{yq} = 300 \text{ V}$	—	—
$n = 58$ bei $U_y = 1 \dots 3 \text{ kV}$, $I = 1 \text{ A}$	—	—
$I_x = 2,5 \text{ A}$	—	—
$I_{klp} = 8 \text{ A}$	—	—
$I_{g1} = 320 \text{ mA}$	—	—
$I = 2,5 \text{ A}$	—	—
$I_{nsp} = 8 \text{ A}$	—	—
$I = 2,5 \text{ A}$	—	—
$I_{ksp} = 8 \text{ A}$	—	—
$I_{g1} = 500 \text{ mA}$ H8chst-	—	—
$I_{g1} = 360 \text{ mA}$ {bei Modu-	—	—
$I = 2,5 \text{ A}$	—	—
$I_{xep} = 8 \text{ A}$	—	—
$I_a = 0,86 \text{ A}$	—	—
$I_{gq} = 60 \text{ mA}$	—	—
$I_{g1} = 375 \text{ mA}$ bei Modula-	—	—
+2404-\ $I_{g1} = \text{Parameter}$	—	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$s = 30 \text{ mA/V}$ bei $U_y = 3 \text{ kV}$, $I_y = 1 \text{ A}$	—	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgik = 35 pF	—	—
Cak = 0,2 pF	—	—
Cg1a = 20 pF	—	—