ELECTRONIC TUBE REFERENCE

RS1031

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Siemens very-high-power transmitting triode for major RF installations. Approximately 50 kW plate dissipation places it in large broadcast, communications, and industrial systems requiring tens of kilowatts of continuous power.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	– / –	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

MAXIMUM PLATE DISSIPATION	50000 W

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

Siemens triode datasheet.

SOURCE OPERATING CONDITIONS

1963 Siemens

SOURCE PDF

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 70 MHz	–	—
f = =10 30 MHz	–	—
U = 15 12 kV	–	—
U = -1000 -1000 V	–	—
Q = 600 600 W	–	—
RS 1031 HOCHFREQUENZVERSTARKER	–	—
f = <10 30 MHz	–	—
Q = 600 600 w	–	—
U = 15 12 kv	–	—
Q = 600 600 w	–	—
f = <10 30 30 30 MHz,	–	—
Ugl = -600 -550 -500 -450 V	–	—
Qgl = 420 410 400 390 W	–	—
f = <10 30 MHz	–	—
U = 15 12 kv	–	—
u = -1000 -1000 v	–	—
U = 6 kV	–	—
u = -800 A	–	—
Q = 500 w	–	—
f = 70 70 MHz 1)	–	—
U = 5,5 4 kV	–	—
u = -80 -60 v	–	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U = 360 320 v	–	—
f = _ =30 MHz	–	—
U = 10 KV	–	—
U = -1000 v	–	—
Q = 600 w	–	—
f = <30 <30 MHz])	–	—
U = 780 725 v	–	—
Q = 510 500 w	–	—
Ugl = -190 -155 -120 v	–	—
Qg = 0 2x130 0 2x190 0 2x280 w	–	—
RS 1031 NIEDERFREQUENZVERSTARKER RONREN	–	—
Ua = 12 10 8 kV	–	—
U = 0 700 0 675 0 660 v	–	—
Qa = 2x4,8 2x19,1 2x4 2x20 2x3,2 2x21 kW	–	—
Qgl = 0 2x55 0 2x100 0 2x150 w	–	—
Kihldaten fiir maximale Anodenverlustleistung Qa = 50 kW:	–	—
| Ug =Parameter | . _isuy2 1846 -+4-] l	–	—
Ug=15kv] /1])	–	—

CURRENT

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I = 12 12 A’	–	—
Iksp = 45 45 A	–	—
I = 12 A	–	—
Iksp = 45 A	–	—
Iksp = 50 A	–	—
Ig1ep = 0 2x4,2 0 2x5,1 0 2x5,9 A	–	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ia = 2x0,4 2x5,2 2x0, 4 2x6 2x0,4 2x7,06 A	–	—
Ig = ftUgy) 9	–	—
ROHREN f (Ua) Var Ig1 = Ppar	–	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ug]s = 950 900 830 775 v	–	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker