

ELECTRONIC TUBE REFERENCE

RL15A

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated transmitting power pentode with approximately 20 W plate dissipation, designed for short-wave RF service to about 60 MHz. Intended for oscillator or power-amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	2.4 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM GRID DISSIPATION	0.7 W
MAXIMUM CATHODE CURRENT	80 mA
Semantically matched promoted fields only.	

Directly heated transmitting power pentode with 20 W plate dissipation for short-wave RF service to about 60 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X TESLA

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Frequency	60 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1966 TESLA TUBES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
$U_{\{}$ 4.8	2.4 V	—
$I_{\{}$ 0.6	1.2 A	—
3KCHJIYATAUHOHHbIE 1IAHHbIE U_{ao} max.	700 V	—
U_a max.	500 V	—
U_a (f	30 Mc/s	$f > 30$ Mc/s
U_a (f > 30 Mc/s) max.	350 V	$f > 30$ Mc/s
W_a max.	20 W	—
U_{g3} max.	0 V	—
$-U_{g3}$ max.	300 V	—
U_{g2o} max.	400 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ug2 max.	350 V	—
Wg2 max.	5 W	—
Ug1 max.	50 V	—
U g1 max.	200 V	—
Wg1 max.	0.7 W	—
Ik max.	80 mA	—
Ik sp max.	400 mA	—
R	15 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgs	12 pF	—
Ca	13.8 pF	—
Ca/gl	0.25 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	220 V	—
Ug3	0 V	—
Ug2	200 V	—
Ugh —	12 V	—
Published value	1 a	—
la	50 mA	—
Ig2	11 mA	—
S	4 mA/V	—
laZ (Ugh _ —	30 V	—
laZ (Ugh _ -30V)	6 mA	—
R	15 A	—
Tenerpa~xbiz3 pe) ICHM Al: Ua 350 350	350 V	—
Ug3 0 0	0 V	—
Ug2 200 200	200 V	—
Ug1 -25 -20 —	20 V	—
la 57 57	57 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ig2 17 17	17 mA	—
Ig1 I I	1 mA	—
Ug1 sp 50 45	45 V	—
Po 13 II	7 W	—
f 1.5 IS	60 Mc/s	—
1 By XTaKTH0H CXeMe – TeJlerpat~HII pe)KHM Ua 350	350 V	—
Al: Ug3 0	0 V	—
Ug2 200	200 V	—
Ug1	—	—
Ia 2x57 2x	57 mA	—
Ig2 2x17 2x	17 mA	—
Ig1 2X1 2x	1 mA	—
Ug1 sp 50	45 V	—
Po 22	16 W	—
f 15	60 Mc/s	—

TUBE TINKER

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and their source documents.

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