

ELECTRONIC TUBE REFERENCE

RL65A

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Transmitting pentode with approximately 65 W plate dissipation for radio-frequency oscillator and power-amplifier service. Its substantial dissipation supports medium-power professional transmitting applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0015 S
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM SCREEN DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	100 mA
Semantically matched promoted fields only.	

Transmitting pentode with 65 W plate dissipation for radio-frequency oscillator and power-amplifier service.

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
'-i f	10 V	—
If	1.65 A–2.05 A	—
3KCIJJIYATAL[HOHHbIE 1[AHHbIE Ua (f	3 Mc/s	f < 3 Mc/s
3KCIJJIYATAL[HOHHbIE 1[AHHbIE Ua (f < 3 Mc/s) max.	1500 V	f < 3 Mc/s
Wa max.	65 W	—
Published value	1 a	f < 3 Mc/s
la (f	3 Mc/s	f < 3 Mc/s
la (f < 3 Mc/s) max.	125 mA	f < 3 Mc/s
Ug2 max.	400 V	—
Wg2 max.	15 W	—
lg2 max.	20 mA	—
0XJ	1 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgf I	1 pF	—
Ca	10 pF	—
Ca/gi	0.01 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	1500 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value	1 a	—
la	50 mA	—
S	1.5 mA/V	—
R	65 A	—

TUBE TINKER

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