



ELECTRONIC TUBE REFERENCE

RE5XN

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Forced-air-cooled five-kilowatt coaxial power-beam transmitting tetrode for shortwave/VHF broadcast, television transmitters, and industrial RF generators.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 38 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.03 S
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM GRID DISSIPATION	150 W
MAXIMUM CATHODE CURRENT	1 A
<i>Semantically matched promoted fields only.</i>	

Directly heated 5 kW coaxial power-beam transmitting tetrode for SW/VSW broadcast and television transmitters up to 240 MHz and for industrial generators.



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 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-grid input capacitance	49 pF	Published interelectrode capacitance
Plate output capacitance	15 pF	Published interelectrode capacitance
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	240 MHz	Published maximum/rated frequency
Heater data	6-7 V; 90-110 A	Published heater voltage/current range or limit



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
no napannenBxoH cxeMe. Uf	6-7 V	—
If	90 A-110 A	—
3KCLIJYATAUI40HHHE AAHHHE Ua max.	4 kV	—
Published value	1 a	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ia max.	2 A	—
Wa max.	5 kW	—
Ug2 max.	1250 V	—
Wg2 max.	300 W	—
Wg1 max.	150 W	—
f max.	240 Mc/s	—
0XJ	1 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cg1	49 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S	30 mA/V	—
le	30 A	—
lev	12 A	—

TUBE TINKER

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and their source documents.

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