



ELECTRONIC TUBE REFERENCE

RE0125XL

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Forced-air-cooled 150-watt coaxial power-beam transmitting tetrode designed for continuous high-frequency and VHF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	13
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	150 W
MAXIMUM SCREEN DISSIPATION	10 W
MAXIMUM GRID DISSIPATION	2 W
<i>Power transmitting section. Values promoted from the supplied source; threshold/range qualifiers are retained in parameter rows where applicable.</i>	

Indirectly heated 150 W coaxial power-beam transmitting tetrode for continuous VSW/VHF service, with forced-air cooling.

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	40 pF	Published interelectrode capacitance
Plate output capacitance	6.8 pF	Published interelectrode capacitance
Plate-to-control-grid capacitance	0.1 pF	Published interelectrode capacitance

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	500 MHz	Published maximum/rated frequency
Heater data	6.3 V; 4.7-5.6 A	Published heater voltage/current range or limit

TUBE TINKER

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and their source documents.

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