



ELECTRONIC TUBE REFERENCE

RE15XL

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled coaxial RF power tetrode with 2 kW plate dissipation for VHF service to approximately 250 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.016 S
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM SCREEN VOLTAGE	830 V
MAXIMUM PLATE DISSIPATION	2000 W
MAXIMUM SCREEN DISSIPATION	75 W
MAXIMUM GRID DISSIPATION	30 W
<i>Power transmitting section. Values promoted from the supplied source; threshold/range qualifiers are retained in parameter rows where applicable.</i>	

Directly heated coaxial transmitting tetrode with 2 kW maximum anode dissipation for RF power service up to 250 MHz, cooled by forced air.

SOURCE OPERATING CONDITIONS

195X Tesla

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

195X TESLA

Section 1 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-grid input capacitance	30 pF	Published interelectrode capacitance
Plate output capacitance	12 pF	Published interelectrode capacitance
Plate-to-control-grid capacitance	0.3 pF	Published interelectrode capacitance

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	250 MHz	Published maximum/rated frequency