



ELECTRONIC TUBE REFERENCE

5D23

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Directly heated thoriated-tungsten transmitting tetrode with approximately 215 W plate dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	JUMB04PIN	BASE PINS	4
NOMINAL HEATER	5 V / 14 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	215 W
MAXIMUM CATHODE CURRENT	250 mA
<i>Promoted only from clearly identified printed ratings/characteristics; additional published operating points retained in TUBE_SECTION_PARAMETER.</i>	

Directly heated thoriated-tungsten transmitting tetrode for RF power amplification and oscillator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RFPowerOutput	530 W	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RFPower_Amplifier_Oscillator text	—



SOURCE OPERATING CONDITIONS

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-grid voltage maximum	-250 V	RFPowerAmplifier
Plate current maximum	250 mA	RFPowerAmplifier
Control-grid current maximum	40 mA	RFPowerAmplifier
Screen current maximum	80 mA	RFPowerAmplifier
Driving power	15 W	RFPowerAmplifier
Power output	565 W	RFPowerAmplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.42 pF	Section1
Input capacitance	10 pF	Section1
Output capacitance	5 pF	Section1

TUBE TINKER

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