ELECTRONIC TUBE REFERENCE

5D23RK65

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

> Raytheon 5D23/RK65 directly heated thoriated-tungsten RF power tetrode with 5 V 14 A filament, 3000 V plate rating, 215 W plate dissipation and 565 W listed RF output.

General characteristics

BASE DESIGNATION	–	**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

Raytheon 5D23/RK65 RF transmitting tetrode: maximum plate voltage 3000 V, grid1 -250 V, grid2 500 V; maximum plate current 250 mA, grid1 current 40 mA, grid2 current 80 mA per catalog table. Plate dissipation 215 W; RF drive 15 W, output 565 W. Direct capacitances grid-plate 0.42 pF, input 10 pF, output 5 pF. Thoriated-tungsten directly heated filament 5 V 14 A. Jumbo 4-pin base. Screen dissipation not specified, so remains null. No separate conventional parameter records added.

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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