

ELECTRONIC TUBE REFERENCE

RK59

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Raytheon quick-heating dual power triode for transmitting service. Paired sections provide useful RF output, while rapid warm-up and moderate plate-voltage requirements make it especially suitable for mobile and intermittent-duty communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4-Pin	BASE PINS	4
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	15 W
Maximum/rated transmitting-tube table values.	

SECTION2 Triode	
No fixed ratings recorded.	
Second physical triode section. Combined-section starred limits were not duplicated as per-section promoted values.	

Raytheon transmitting tube rated for quick-heating dual triode; starred values apply to both sections combined. Published table values include electrode voltages/currents, dissipation, power, and capacitances where shown.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 voltage	-60 V	—
Maximum plate current	90 mA	—
Maximum grid 1 current	14 mA	—
Drive power	1.3 W	—
Output power	32 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	9 pF	—
Input capacitance	5 pF	—
Output capacitance	1 pF	—