



ELECTRONIC TUBE REFERENCE

RK811A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Raytheon directly heated power triode for RF and audio-frequency amplifier service. Approximately 65 W plate dissipation and 1.5 kV capability provide medium-power transmitter and audio-output operation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM CATHODE CURRENT	175 mA
<i>Published transmitting-tube maximum voltages/currents, power ratings and capacitances; RF-AF Amplifier.</i>	

RK811A is a Raytheon triode intended for rf-af amplifier, with published transmitting-service maximum ratings and capacitances.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/heater voltage	6.3 V	Filament
Filament/heater current	4 A	Filament

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	1500 V	RF-AF Amplifier
Maximum grid-1 voltage	-200 V	RF-AF Amplifier
Maximum plate current	175 mA	RF-AF Amplifier
Maximum grid-1 current	50 mA	RF-AF Amplifier
Maximum plate dissipation	65 W	RF-AF Amplifier
Maximum drive power	7.1 W	RF-AF Amplifier
Maximum output power	200 W	RF-AF Amplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	5.6 pF	Published transmitting-tube table
Input capacitance	5.9 pF	Published transmitting-tube table
Output capacitance	0.7 pF	Published transmitting-tube table