ELECTRONIC TUBE REFERENCE

RK812A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

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

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

SECTION1 Triode

MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM CATHODE CURRENT	175 mA

Published transmitting-tube maximum voltages/currents, power ratings and capacitances; RF-AF Amplifier.

RK812A is a Raytheon triode intended for rf-af amplifier, with published transmitting-service maximum ratings and capacitances.

SOURCE OPERATING CONDITIONS

195X Raytheon Special Purpose Tubes

SOURCE PDF

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	**35 mA**	RF-AF Amplifier
Maximum plate dissipation	**65 W**	RF-AF Amplifier
Maximum drive power	**6.5 W**	RF-AF Amplifier
Maximum output power	**190 W**	RF-AF Amplifier

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid-to-plate capacitance	**5.5 pF**	Published transmitting-tube table
Input capacitance	**5.4 pF**	Published transmitting-tube table
Output capacitance	**0.77 pF**	Published transmitting-tube table

TUBE TINKER

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

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