



ELECTRONIC TUBE REFERENCE

RK73

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Raytheon directly heated half-wave high-vacuum rectifier for low-current high-voltage supplies. Its multi-kilovolt capability suits specialized electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 4.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	13000 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	3 A
FORWARD VOLTAGE DROP	135 V
Published rectifier maximum peak inverse voltage, peak plate current, DC output current and average tube drop reviewed.	

RK73 is a Raytheon half wave—high vacuum rectifier with published peak-inverse-voltage, peak-current, DC-output-current and tube-drop ratings.

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 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/heater voltage	2.5 V	HalfWave
Filament/heater current	4.25 A	HalfWave
Average tube voltage drop	135 V	HalfWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	13000 V	HalfWave
Peak plate current per plate	3000 mA	HalfWave
DC output current	20 mA	HalfWave