



## ELECTRONIC TUBE REFERENCE

## RK43

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Low-filament-current directly heated twin triode for portable battery equipment, usable as a power amplifier or oscillator and providing documented Class-B audio output.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 1.5 V / 120 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                         |                |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|
| SECTION1 Triode                                                                                                                         |                |
| PLATE RESISTANCE                                                                                                                        | 10300 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                        | 0.0008 S       |
| AMPLIFICATION FACTOR                                                                                                                    | 8.2            |
| MAXIMUM PLATE VOLTAGE                                                                                                                   | 180 V          |
| <i>Published ratings/characteristics promoted where directly applicable; identical twin sections are compressed to one section row.</i> |                |

|                                                  |                |
|--------------------------------------------------|----------------|
| SECTION2 Triode                                  |                |
| PLATE RESISTANCE                                 | 10300 $\Omega$ |
| TRANSCONDUCTANCE                                 | 0.0008 S       |
| AMPLIFICATION FACTOR                             | 8.2            |
| MAXIMUM PLATE VOLTAGE                            | 180 V          |
| <i>Second identical physical triode section.</i> |                |

Low-filament-current directly heated twin triode for portable battery-operated power-amplifier and oscillator service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1938 Raytheon Amateur

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1938 RAYTHEON AMATEUR

## Section 1 · Triode

| CHARACTERISTICS            |                 |                          |
|----------------------------|-----------------|--------------------------|
| PARAMETER                  | PUBLISHED VALUE | CONDITION / NOTE         |
| Heater or filament voltage | 1.5 V           | Published nominal value  |
| Heater or filament current | 120 mA          | Published nominal value  |
| Transconductance           | 800 $\mu$ S     | Published characteristic |
| Amplification factor       | 8.2             | Published characteristic |

| OTHER                          |                 |                    |
|--------------------------------|-----------------|--------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE   |
| Audio power output             | 0.95 W          | ClassB; TwoTriodes |
| Plate-to-plate load resistance | 24000 ohm       | ClassB; TwoTriodes |