



## ELECTRONIC TUBE REFERENCE

# K83

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**KLYSTRON**

Russian reflex klystron microwave oscillator, nominal frequency 9837.5MHz, RF output 30mw.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 1.2 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

**SECTION 0** Klystron

*No fixed ratings recorded.*

*Reflex klystron; Cathode Type: Oxide, Indirect Heating; Envelope: Metal-Ceramic, Waveguide Output, Mechanical Tuning; Mass: 200g; Cooling Method: Natural; Frequency Band: 9837.5MHz; Frequency Band Minimum: 9675MHz; Frequency Band Maximum: 10000MHz; Output Power: 30mw; Tuning Transconductance, Mhz/Ma: 0.7; Tuning Range, Mhz: 25; Filament Voltage, V: 6.3; Filament Current, A: 1.2; Filament Current, A Minimum: 1; Filament Current, A Maximum: 1.4; Resonator Voltage, V: 300; Reflector Negative Voltage, V: 160; Reflector Negative Voltage, V Minimum: 70; Reflector Negative Voltage, V Maximum: 250*

## TUBE TINKER

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