


MIL Style RV6 Specs

Precision Series S - 1/2 Watt 1/8" shaft diameter

[Main Product Page](#) 

[Drawings](#) 

[Ordering Info](#) 

Series S/RV6 potentiometers are ideal for applications requiring high reliability and a compact size.

Features

- hot molded carbon element
- one piece housing and bushing
- stainless-steel shaft
- compact size
- quality meeting or exceeding MIL-R-94 - QPL listed

Electrical Specifications

Resistance range, linear taper: 100 Ω to 5 Meg Ω

Options

- special tapers
- custom shafts and bushings
- customer specified marking

Mechanical Specifications

Mechanical rotation: 295°

Resistance range, logarithmic taper: 150 Ω to 1 Meg Ω

Resistance tolerance: $\pm 10\%$ or $\pm 20\%$

Resistance taper: linear, logarithmic, reverse logarithmic; other tapers by special order

Power rating: 0.5 watts at 70°C derated to 0 watts at 120°C

Insulation resistance:

dry: 10K Meg Ω

wet: 100K Meg Ω

Dielectric strength: 750 V RMS at sea level

Operating voltage: 350 V, subject to power rating

Operating torque: 0.5 oz/in to 6 oz/in

Rotational life: 25,000 cycles

Environmental Specifications

Operating temperature: -65°C to +125°C

Resistance to soldering heat: 350°C for 5 seconds

Humidity range: per MIL-R-94

Vibration range: per MIL-R-94

Shock resistance: per MIL-R-94

Load life: 1000 hours at 70°C



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