

ETI SYSTEMS RV4 & RV6 Precision Potentiometers

RoHS Compliant This product is RoHS compliant.



RV4 SERIES POTENTIOMETERS

- Features:**
- Hot molded carbon element
 - Gold-plated terminals
 - Stainless-steel shaft and housing
 - Quality meeting or exceeding MIL-R-94-QPL listed

- Mechanical Specifications:**
- Mechanical rotation: 314°
 - Operating torque: 1 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
 - Load life: 1000 hours at 70°C

- Electrical Specifications:**
- Resistance range, linear taper: 50 to 5 Meg
 - Resistance range, logarithmic taper: 150 to 1 Meg
 - Resistance tolerance: ±10% or ±20%
 - Resistance taper: linear, logarithmic, reverse logarithmic; other tapers by special order
 - Power rating: 2 watts at 70°C derated to 0 watts at 120°C
 - Insulation resistance: dry: 10K Meg, wet: 100K Meg
 - Dielectric strength: 900V RMS at sea level
 - Operating voltage: 500V, subject to power rating

- Custom Options:**
- Custom shafts and bushings
 - Special tapers
 - Fourth (center) terminal
 - High life
 - Attached switch



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Value (Ohms)	Resistance Tol.	Operating Voltage	Price Each			
						1	10	25	50
882-RV4LAYS502A	RV4LAYS502A	A	5K	10%	500V	12.54	11.40	9.98	9.12
882-RV4LAYS103A	RV4LAYS103A	A	10K	10%	500V	12.54	11.40	9.98	9.12
882-RV4LAYS503A	RV4LAYS503A	A	50K	10%	500V	12.54	11.40	9.98	9.12
882-RV4NAYS101A	RV4NAYS101A	B	100	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS501A	RV4NAYS501A	B	500	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS102A	RV4NAYS102A	B	1K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS252A	RV4NAYS252A	B	2.5K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS502A	RV4NAYS502A	B	5K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS103A	RV4NAYS103A	B	10K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS503A	RV4NAYS503A	B	50K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS104A	RV4NAYS104A	B	100K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYS105A	RV4NAYS105A	B	1M	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYSJ102A	RV4NAYSJ102A	C	1K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYSJ502A	RV4NAYSJ502A	C	5K	10%	500V	12.01	10.92	9.56	8.73
882-RV4NAYSJ103A	RV4NAYSJ103A	C	10K	10%	500V	12.01	10.92	9.56	8.73

RV6 SERIES POTENTIOMETERS

- Features:**
- Hot molded carbon element
 - One piece housing and bushing
 - Stainless-steel shaft
 - Compact size
 - Quality meeting or exceeding MIL-RL-94-QPL listed

- Mechanical Specifications:**
- Mechanical rotation: 295°
 - Operating torque: 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
 - Load life: 1000 hours at 70°C

- Electrical Specifications:**
- Resistance range, linear taper: 100 to 5 Meg
 - Resistance range, logarithmic taper: 150 to 1 Meg
 - Resistance tolerance: ±10% or ±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, wet: 100K Meg
 - Dielectric strength: 750V RMS at sea level
 - Operating voltage: 350V, subject to power rating

- Custom Options:**
- Custom shafts and bushings
 - Special tapers



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Value (Ohms)	Fig.	Resistance Tol.	Operating Voltage	Price Each			
						1	10	25	50
882-RV6LAYS102A	RV6LAYS102A	1K	D	10%	350V	14.27	12.98	11.36	10.38
882-RV6LAYS502A	RV6LAYS502A	5K	D	10%	350V	14.27	12.98	11.36	10.38
882-RV6LAYS103A	RV6LAYS103A	10K	D	10%	350V	14.27	12.98	11.36	10.38
882-RV6NAYS102A	RV6NAYS102A	1K	E	10%	350V	12.98	11.80	10.32	9.44
882-RV6NAYS502A	RV6NAYS502A	5K	E	10%	350V	12.98	11.80	10.32	9.44
882-RV6NAYS103A	RV6NAYS103A	10K	E	10%	350V	12.98	11.80	10.32	9.44

