

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				
882-RV4LAYS103A	RV4LAYS103A	A	10K	10%	500V				
882-RV4LAYS503A	RV4LAYS503A	A	50K	10%	500V				
882-RV4NAYS101A	RV4NAYS101A	B	100	10%	500V				
882-RV4NAYS501A	RV4NAYS501A	B	500	10%	500V				
882-RV4NAYS102A	RV4NAYS102A	B	1K	10%	500V				
882-RV4NAYS252A	RV4NAYS252A	B	2.5K	10%	500V				
882-RV4NAYS502A	RV4NAYS502A	B	5K	10%	500V				
882-RV4NAYS103A	RV4NAYS103A	B	10K	10%	500V				
882-RV4NAYS503A	RV4NAYS503A	B	50K	10%	500V				
882-RV4NAYS104A	RV4NAYS104A	B	100K	10%	500V				
882-RV4NAYS105A	RV4NAYS105A	B	1M	10%	500V				
882-RV4NAYSJ102A	RV4NAYSJ102A	C	1K	10%	500V				
882-RV4NAYSJ502A	RV4NAYSJ502A	C	5K	10%	500V				
882-RV4NAYSJ103A	RV4NAYSJ103A	C	10K	10%	500V				

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

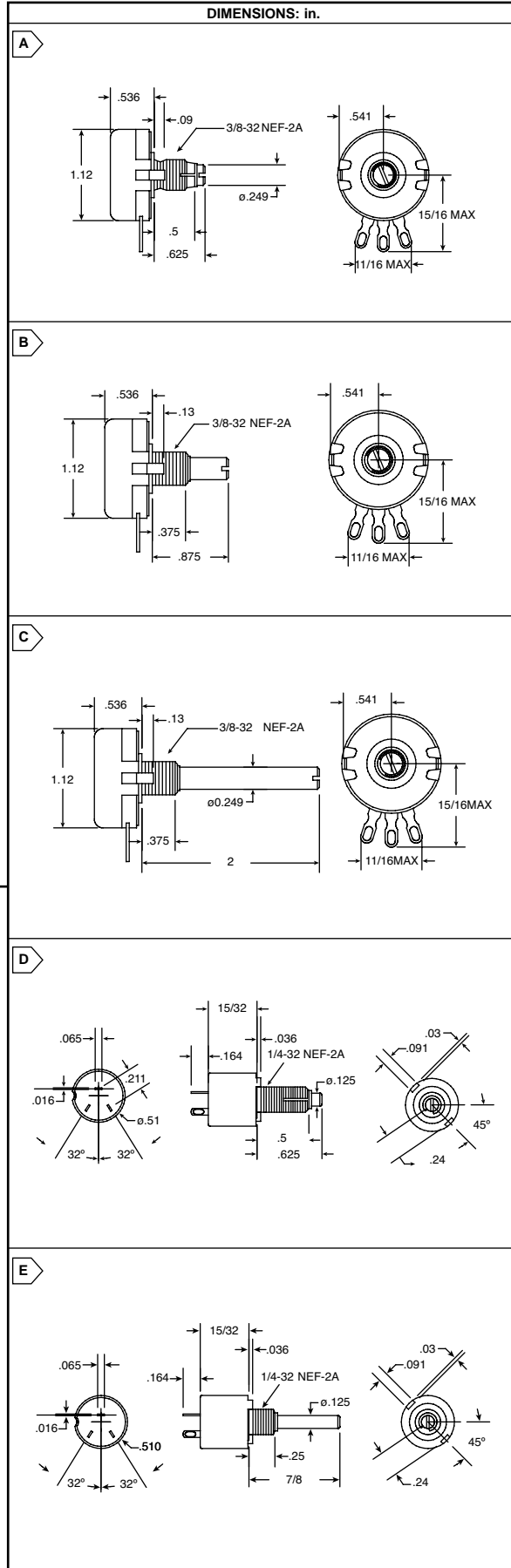
Custom Options:

- Custom shafts and bushings
- Special tapers



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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				
882-RV6LAYS502A	RV6LAYS502A	5K	D	10%	350V				
882-RV6LAYS103A	RV6LAYS103A	10K	D	10%	350V				
882-RV6NAYS102A	RV6NAYS102A	1K	E	10%	350V				
882-RV6NAYS502A	RV6NAYS502A	5K	E	10%	350V				
882-RV6NAYS103A	RV6NAYS103A	10K	E	10%	350V				



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