



# Product Specification

Part No.: VT25 series Potentiometer

## Electrical Characteristics

Resistance Range	1K $\Omega$ ~ 1 meg $\Omega$ For values outside this range, please consult our office.
Resistance Tolerance	$\pm 20\%$ (standard) , $\pm 10\%$ , Outside this range, please consult our office
Resistance Tapers	Linear, Logarithmic, Anti-log Other tapers available. Please consult our office.
Independent Linearity	$\pm 5\%$ Outside this range, please consult our office
Power Rating (wattage)	1 watts @ 70°C , 0 watt @ 120 °C
Peak Noise (Contact Resistance Variation)	$< 2\%$ Rn
Max. Input Voltage	250VDC
Electrical Angle of Rotation	280° $\pm 5^\circ$

## Environmental Characteristics

Operating Temperature	-25 ° to + 70°C
Storage Temperature	-40 ° to + 85°C
Temperature Coefficient	$< 500$ ppm/ °C
Load Life	$\Delta R / R \leq \pm 10\%$ (70°C 1000 hours)
Soldering Heat Resistance	350°C $\pm 10^\circ$ @ 3 seconds
Vibration	$\leq \pm 2\%$

## Mechanical Characteristics

Resistive Element	CARBON
Substrate Material	Phenolic Resin Laminate
Mechanical Angle of Rotation	300° $\pm 5^\circ$
Max. Torque at End Stops	5.184 kg-cm (4.5 Lb-in )
Wiper Torque	34.5 gr-cm ~ 432 gr-cm 0.48 oz-in ~ 6.0 oz-in
Rotational Life	> 50 cycles (standard) Also available in : 200K cycles 500K cycles 1 million cycles 5 million cycles 10 million cycles



## Switch Specifications

Function	SPST - Rotary
Nominal Current	1A, 50VAC
Contact Resistance	10m $\Omega$
Operating Torque	3 Ncm ( 4.24 oz-in )
Operating Angle	10°
Test Voltage	500VDC