

### Wire-wound Potentiometer WXD3590

Electrical Characteristics	Standard Resistance Range	100Ω~100KΩ
	Resistance Tolerance	±5%
	Independent Linearity	±0.25%
	Terminal Resistance	≤0.2%R or 5Ω
	Contact Resistance Variation (CRV)	≤3%R or 3Ω
	Insulation Resistance	R1 ≥ 1GΩ
	Withstand Voltage	101.3kPa 710V 8.5kPa 470V
	Rated Power	2W ( 315V max)
	Effective Electrical Travel	≥3600° -10°
Environment Characteristics	Temperature Range	-55°C~+125°C
	Temperature Coefficient	±100ppm/°C
	Temperature Variation	ΔR≤±2%R, ΔUab/Uac≤±1%R
	Collision (390m/S <sup>2</sup> , 4000 times)	ΔR≤±1%R
	Vibration (10-500HZ, 0.75mm or 98m/S <sup>2</sup> 6h)	ΔR≤±1%R, ΔUab/Uac≤±2%R
	Climate Category	ΔR≤± 3%R, R1≥100MΩ
	Electrical Endurance (70°C,2W,1000h)	ΔR≤± 3%R
	Mechanical Endurance (10000 cycles)	ΔR≤± 3%R
	Steady Damp-Heat	ΔR≤± 3%R, R1≥100MΩ
Physical Characteristics	Total Mechanical Travel	3600°±10°
	Starting Torque	≤36mN.m
	Clutch Torque	≤300mN.m



