Main Unit Spec

Laser Rotary Encoder K-1		
Light source		Semiconductor Laser 780 nm, 5 mw max.
Pulse / Revolution		81000
Resolution		4 arc-sec
Maximum Response		500 kHz (360rpm)
A,B Phase Output	Output Signal	2 Phase Sine Wave Signal
	Amplitude	1.0Vp-p (at 100 kHz, open)
	Phase Difference	90° ±10°
Z Phase Reference	Output Signal	Rectangle Wave Signal
	Signal Type	Open Collector output
	Pulse Width	100 ~ 250 nsec
Maximum Permissible Rotating Speed		5000 rpm
Starting Torque		9g-cm or less
Rotor Inertia Moment (GD^2)		$8gcm^2$
Power Supply	Voltage	± 5V DC, ±5%
	Current (no output load)	+5V: 200mA max. -5V: 100mA max.
Outer Diameter		36 mm
Weight (without cable)		80g
Ambient Conditions	Operating Temperature	0 ~ 50°C
	Storage Temperature	-30 ~ 80°C
	Humidity	90% RH or Less (no condensation)