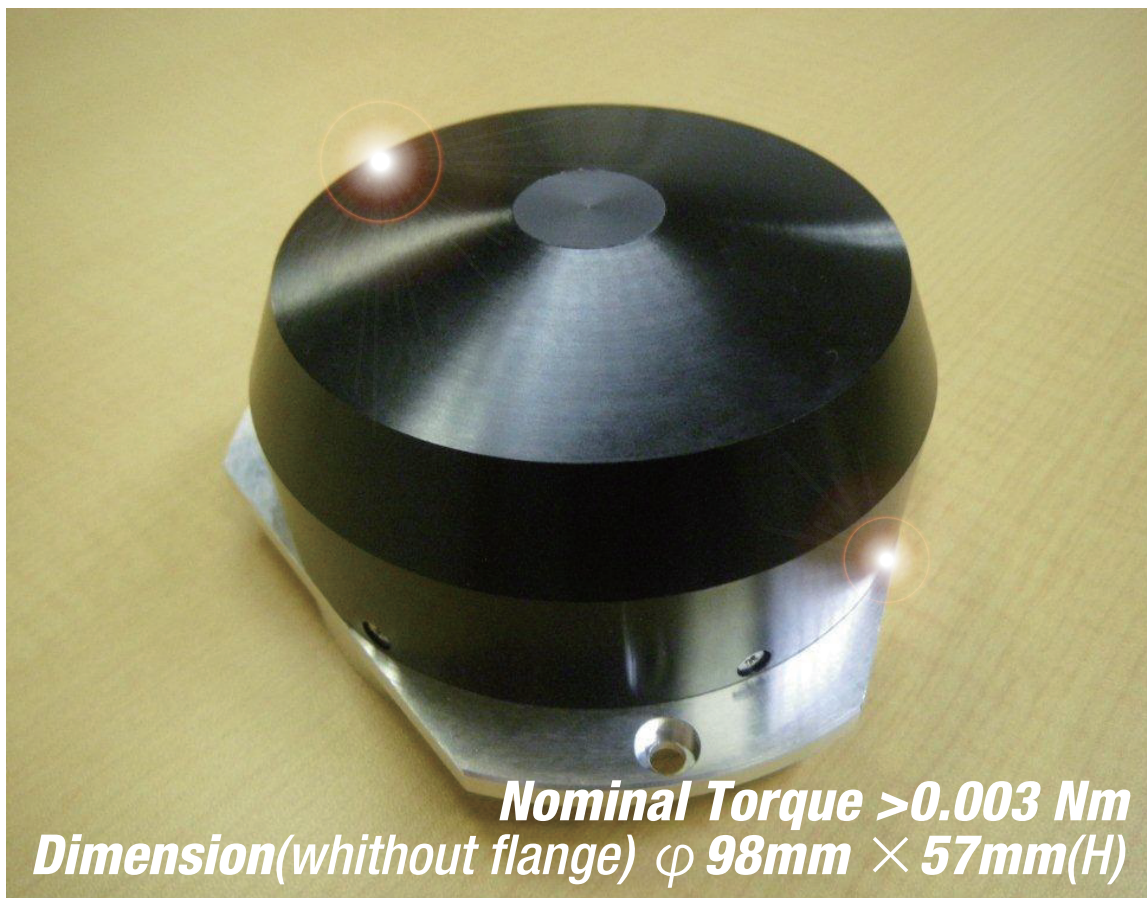
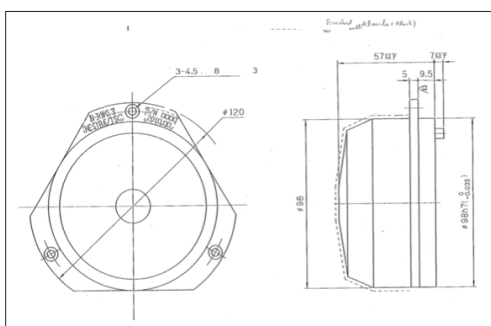


μ wheel N-RW0.3



Nominal Torque >0.003 Nm
Dimension(whithout flange) ϕ 98mm \times 57mm(H)



Feature

- Ideal for 50 to 100Kg spacecraft
- Integrated Wheel Drive Electronics
- Low Power Consumption
- Excellent Cost/Performance
- 2012 Flight

Performance ;

Angular Momentum	0.3 Nms @4100rpm
Nominal Rotation Speed	4100rpm
Max , Rotation Speed	5000rpm
Nominal Torque	>0.003 Nm
Torque Scale Factor	0.03 Nm/A nominal

Mechanical ;

Mass	0.98Kg
Dimension(whithout flange)	ϕ 98mm \times 57mm(H)
Moment of Inertia(rotating mass)	7 \times 10 ⁻⁴ Kgm ²

Electrical ;

Voltage	22V to 34V & +5V
Power Consumption	
Standby(motor off)	<0.5 W
Steady-State at nominal speed	<2.5 W
Torque at nominal speed	<15 W @10mN Output Torque
+5V Power Consumption	1.5 W

Data Interface

RS422

General

+15VDC Voltage available	3000rpm(Nominal speed)
Operation temperature range	-10°C to +50°C
Non-Operating temperature range	-20°C to +60°C
Random Vibration	14.1Grms,20 to 2000Hz
Design life time	9 years at 40°C
Storage time	3 years(depend on packing)

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