



Parameter	RW25
Angular momentum	30 mNms
Nominal rotation speed	5000 rpm
Nominal Torque (max. commandable)	2 mNm (more by design possible)
Communication	SPI preferred (CAN possible)
Power interface	
<i>Supply voltage</i>	5 V
<i>Power Consumption for WDE and 1 Wheel maintaining nominal rotation speed</i>	< 1.5 W
<i>maximum consumption (max. torque @ max. speed)</i>	< 2.8 W
Mechanical interface	
<i>Mass</i>	200 g
<i>Dimension Single Wheel</i>	50mm x 50mm x 25.5mm
Temperatures	
<i>Operation</i>	-20 °C to +50 °C
<i>Non-operation</i>	-40 °C to +65 °C
Design lifetime	2 year in low earth orbit
	5 years possible by design, but a life time test shall be performed for proof!
Storage time	2 years (includes up to 240 hours of ground operations)
<i>Design change flexibility without radical design change (mass, power may change)</i>	Increased/decreased angular momentum and torque possible