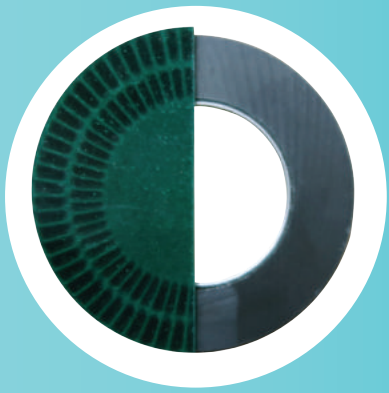
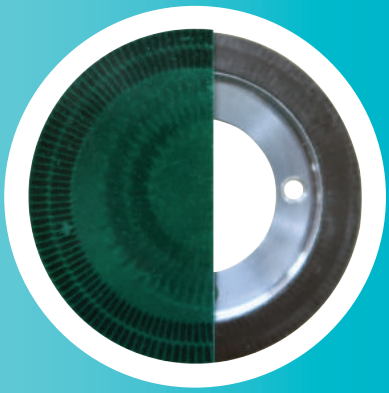
SEINFLEX

Absolute Magnetic Encoder

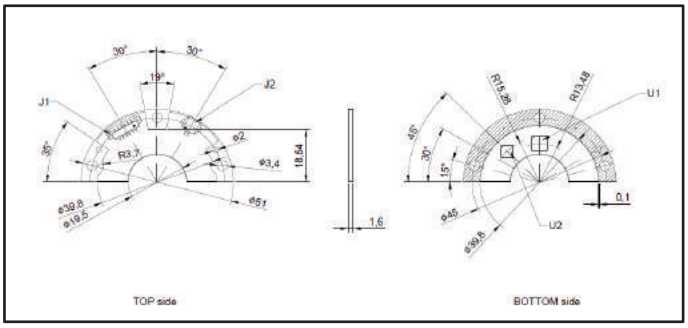
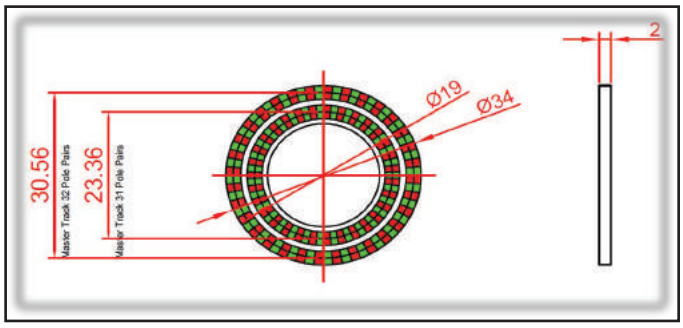




Specifications

Classification	Specification	
Resolution	Singleturn-19bit, Multiturn-16bit	Singleturn – 20bit
Main Supply Voltage	5V ± 10%	
Main Supply Current	Max 6mA (Typ. 4mA)	
Battery Supply Voltage	3 to 5.5V (Typ. 3.6V)	
Battery Supply Current	Max 800μA (Typ. 10μA)	
Sensing Method	Magnetic	
Magnet pole	Master track – 32 pole pair Nonius track– 31 pole pair	Master Track – 64 pole pair Nonius track – 63 pole pair
Operating temperature	-40℃ to +110℃	
Communication	BiSS– C Interface	
PCB outline	Φ51 x 1.6 (mm)	Φ 89 x 1.6 (mm)
Magnet outline	Φ34± 0.2 (mm)	Φ 64 $^{+0}_{-0.1}$
Inner Diameter	Φ19 $H7$ (mm)	Φ 51 $^{+0.05}_{-0}$
Heigth	7 $^{+0.02}_{-0.02}$	3 $^{+0.02}_{-0.02}$
Magnet material	Ferrite	Injection Plastic Magnet
Flange material	Al6061 / Anodize white	AL6061
Air Gap	Max 0.4mm	Max 0.4mm

Dimension - PCB



Dimension - Magnet