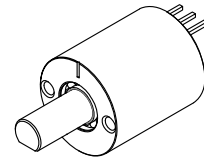


S15-DM Specifications 1/1

■ Magnetic linear encoder (Solid shaft)

- Feature: microminiature, logical compact configuration and easy to install
- Application: miniature instrument, equipment, etc, for automation control
- External dimensions: external diameter $\varnothing 15\text{mm}$, thickness 17.5mm, diameter of shaft $\varnothing 5\text{mm}$ (D type)
- Supply voltage: DC5V
- Protection: IP50
- Weight: about 10g



■ Electrical Characteristics

Supply Voltage (Vdc)	DC+5V Max
Consumption current	3mA Max
Effective Linearity Range (deg)	± 50
Resolution	Infinitesimal (Analog output)
Shaft Angle (deg)	360 (endless)
Individual Linearity (%)	± 1.5
Operating temperature ($^{\circ}\text{C}$)	-10to+60 $^{\circ}\text{C}$

■ Mechanical Characteristics

Starting torque	Less than 1mN·m
Inertia moment	Less than $1 \times 10^{-7} \text{ kg} \cdot \text{m}^2$
Shaft load	Radial: 10N; axial: 5N
Top rev	3000 rpm
Shaft	$\varnothing 5\text{mm}$ (Stainless steel 304)
Protection	IP50
Weight	About 10g (with package)

■ Diagram

