

Compact non-contact angular sensor

RSM12

TOCOS announces the release of the low-profile board mount type compact non-contact angular sensor designed by TOCOS own developed magnet circuit. Hall IC is used as a detecting component.

Three types (A, B, C) of Hall ICs. Different type of Hall IC is optionally available upon customers requirements of low-cost, temp. range, rotational angle and output voltage range.

■ **Features**

1. Life Expectancy: High Noise: No sliding noise.
2. Size: 12mm (w) x 14mm(l) x 5mm(h) Board mount compact non-contacting angular sensor
3. Adjustment travel: 140°(±70°)
4. Hollow shaft (Shaft insertable from both sides)
5. Choices of Hall ICs (A,B,C): Different type of Hall IC is optionally available upon customers' requirements.



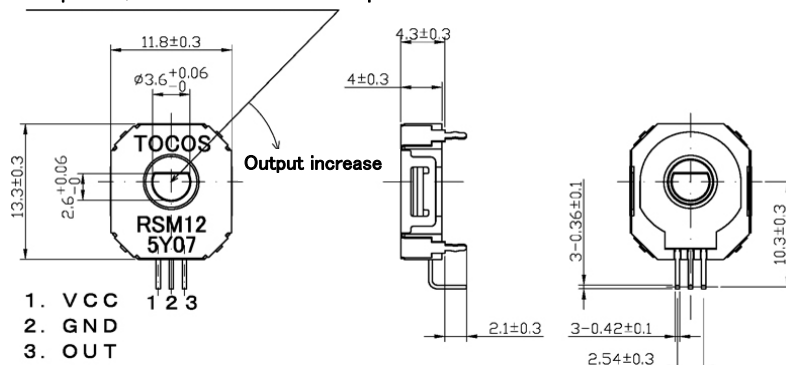
RoHS Compliant

■ **Specifications**

Item	Unit	Type	Rating
Supply voltage	V	A,B,C	DC 5±0.5
Consumption current	mA	A,B,C	Max. 11
Output voltage	V	A	1.62 to 3.38
		B	1.5 to 3.5
		C	Optional
Accuracy	%F.S.	A,B	±20 (at±70°)
		C	± 1 (at ±70°)
Independent linearity	%F.S.	A,B	±3 (at ±60°)
		C	±3 (at±70°)
Adjustment travel	°	A,B,C	±70 (140)
Mechanical travel	°	A,B,C	360
Rotational life	Cycle	A,B,C	20 million
Temperature range	°C	A	-20 to +85
		B,C	-40 to +125
Weight	g	A,B,C	Approx.1.5

■ **Dimension**

The output is 1/2 when the rotor is at this position.



Contact: Non-contact sensor developing project NCS Group E-mail:ncs@tocos-j.co.jp

*Product & the specifications in this catalog are subject to change without notice. Please ask for the latest specifications prior to your designing, procurement and use.

2006. 9
Rev. 1.12

