

# PCB MAGNETIC SENSOR PSEUDO - ABSOLUTE

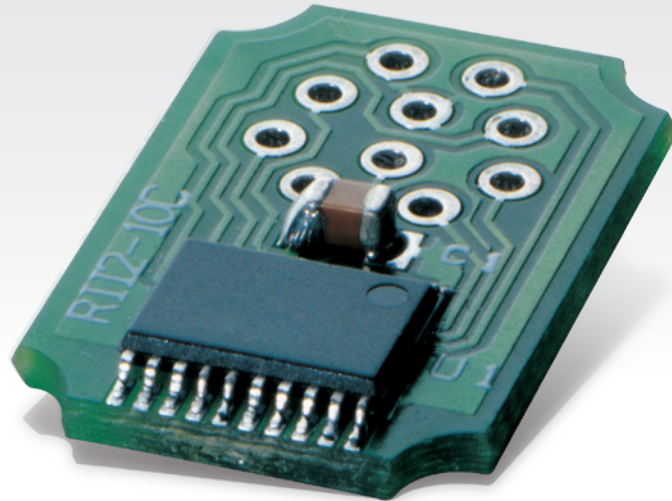


www.ntn-snr.com



With You

for mass production



## GET SPEED & POSITION SENSING WITH NTN-SNR VERSATILE ASIC

### CUSTOM RESOLUTION

- Incremental or Pseudo-Absolute
- Polar adaptation and interpolation

### REFERENCE PULSE

- Additional magnetic information
- Servo-drive control

### RELIABLE

- AECQ100 qualification (automotive)

## CHOOSE YOUR PRODUCT INTEGRATION



**UNPACKAGED  
PMS P-ABL**

- Specific to your system
- Through shaft



**TUBE TYPE  
TTS P-ABL**

- Tight access
- Easy retrofitting on existing systems
- Easy maintenance



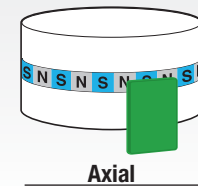
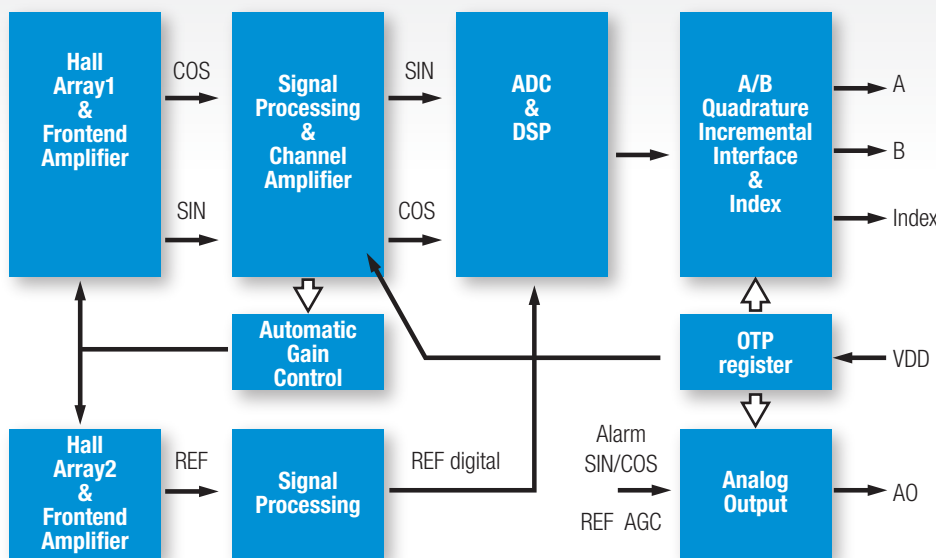
**BALL BEARING  
BBS P-ABL**

- Optimal congestion
- Thought shaft
- Closer to the movement



## CONFIGURATION

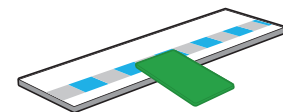
PMS	TYPE	POLE LENGTH	INTERPOLATION FACTOR
	INC, P-ABL	1.13 to 5.92 mm	x1, x2, x4, x5, x8, x10, x16, x20, x32, x40



Axial



Radial



Linear

## SPECIFICATION

- Fully integrated design features on chip Hall sensors to generate digital high resolution and index pulse signals
- TSSOP 20 package (7mm x 6mm x 1mm) -40°C to +125°C operating range
- Synchronized on- board index pulse
- Automatic Gain Control for increased AG range
- On board Auto diagnostic
- Reduced consumption mode selectable
- Current limited Open Drain and Push Pull outputs
- No external Components
- ESD protected (2kV – HBM 150pF – 1.5k)
- True Zero speed Operation
- Uses polymer bonded multi pole magnet as a rotary or linear magnet
- Dual track encoder with optimized magnetization for increased accuracy

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With You

