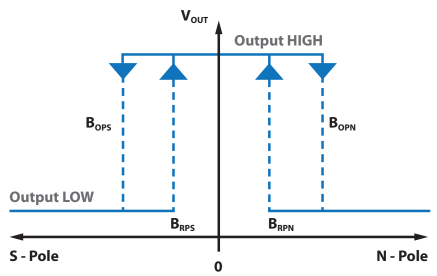
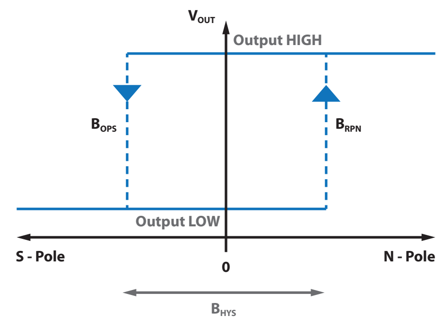
MAGNETIC MODE TYPE

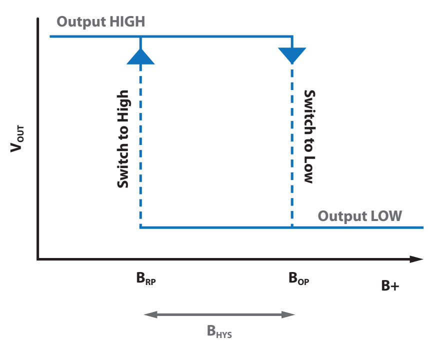
Omnipolar Magnetic Flux Response
(Active Low Option)



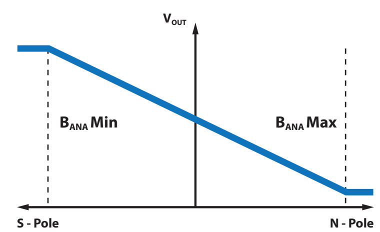
Bipolar Magnetic Flux Response
(Active Low Option)



Unipolar Magnetic Flux Response
(Active Low Option)

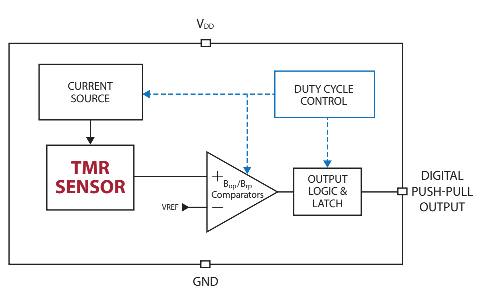


Analog Magnetic Flux Response

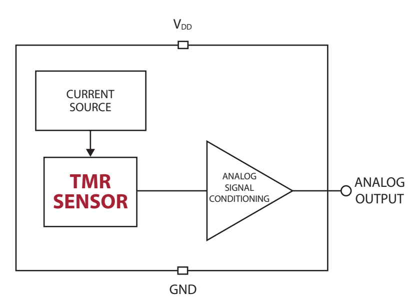


BLOCK DIAGRAMS

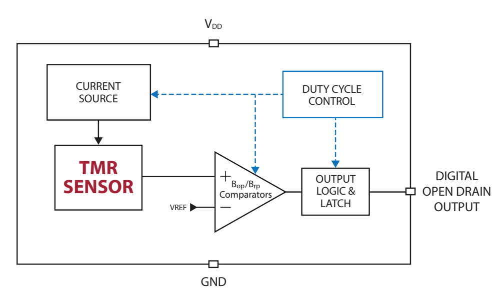
Functional Block Diagram for Digital Push-Pull Output



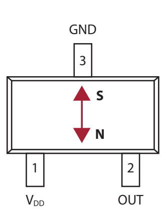
Functional Block Diagram for Analog Output



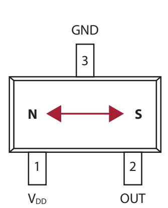
Functional Block Diagram for Digital Open Drain Output



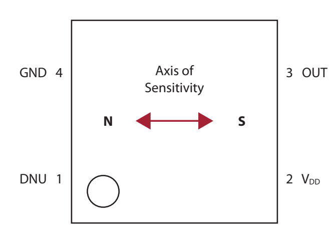
AXIS OF SENSITIVITY



SOT-23 Package
(Y-Axis)



SOT-23 Package
(X-Axis)



LGA Package
(X-Axis)

RedRock™
By Coto Technology

TMR Magnetic Sensor Product Catalog

Advanced Switching and Magnetic Sensing Solutions

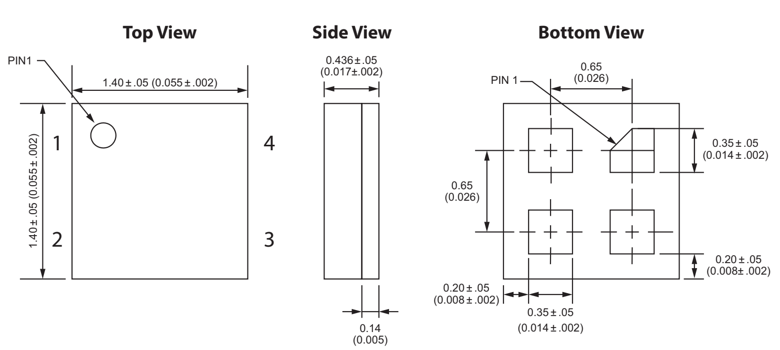
REDROCK™ TMR DIGITAL & ANALOG MAGNETIC SENSOR/SWITCH

Coto Part Number	Magnetic Polarity Response	Operative Sensitivity (G)	Release Sensitivity (G)	Frequency (Hz)	I_{AVG} (µA)	Temp Rating (ºC)	Supply Voltage (V_{DD})	Output Response	Package	Axis of Sensitivity
RR120-A111-00	Unipolar	30	20	20	0.5	-40 to +85	2.7 to 3.6	Active Low	SOT-23-3	Y-Axis
RR121-1A23-311	Omnipolar	9	5	10	0.24	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-1A53-311	Omnipolar	9	5	250	1.44	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-1B13-311	Omnipolar	30	20	2	0.2	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-1B13-312	Omnipolar	30	20	2	0.2	-40 to +125	2.7 to 3.6	Active Low	LGA-4	X-Axis
RR121-1B53-311	Omnipolar	30	20	250	1.44	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-1B93-312	Omnipolar	30	20	10000	1600	-40 to +125	2.7 to 3.6	Active Low	LGA-4	X-Axis
RR121-1E73-311	Omnipolar	15	10	2500	8	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-1F23-311	Omnipolar	70	50	10	0.24	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR121-3C63-311	Bipolar	10	-10	500	1.7	-40 to +125	2.7 to 3.6	Active Low	SOT-23-3	X-Axis
RR130-A111-00	Unipolar	30	20	20	0.5	-40 to +85	2.7 to 3.6	Open Drain	SOT-23-3	Y-Axis
RR131-1B13-351	Omnipolar	30	20	2	0.2	-40 to +125	2.7 to 3.6	Open Drain	SOT-23-3	X-Axis

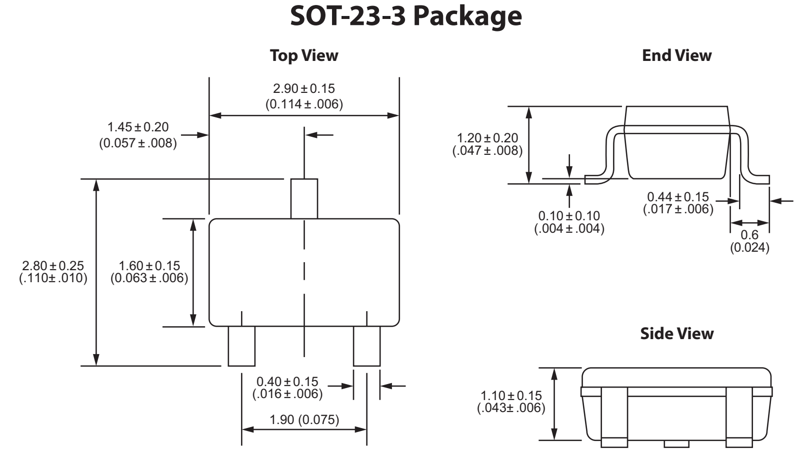
Coto Part Number	Magnetic Polarity Response	Magnetic Sensitivity Range Minimum (G)	Magnetic Sensitivity Range Maximum (G)	Frequency (Hz)	I_{AVG} (mA)	Temp Rating (ºC)	Supply Voltage (V_{DD})	Output Response	Package	Axis of Sensitivity
RR110-A111-00	Linear Analog	0	100	Continuous	0.1	-40 to +85	1.2 to 12	Analog Resistance	SOT-23-3	Y-Axis
RR111-1DC2-331	Linear Analog	-10	10	Continuous	1.5	-40 to +85	2.7 to 3.6	Analog Voltage	SOT-23-3	X-Axis
RR111-1DC2-332	Linear Analog	-10	10	Continuous	1.5	-40 to +85	2.7 to 3.6	Analog Voltage	LGA-4	X-Axis

DIMENSIONS

LGA-4 Package



SOT-23-3 Package



TARGET APPLICATIONS	
Bare Glass Reed Switch Replacement	Power Switch or Open-Close Detection
Consumer Electronics	Proximity Detection
Door & Lid Closure Detection	Rotary Sensing
Fluid Level Detection	Smart Phones, Tablets and Laptops
Motor Controllers	Utility Meters
Open-Close Detection	Wake-Up µProcessor
Portable Medical Devices	

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