1 Description

The RedRock™ RR121 Series is a magnetic sensor with digital push-pull output ideal for use in medical, industrial, automotive, and consumer applications. Based on patented Tunneling Magnetoresistance (TMR) technology with seamless CMOS integration, the RR121 offers multiple configurations of several parameters to enable applications like proximity sensing, rotary sensing, and level detection.

The RR121 features available operate sensitivities from 9 G (0.9 mT) to 70 G (7 mT), and either omnipolar, unipolar, or bipolar magnetic field response. It has the world's lowest average current drain (200 nA) for an active magnetic sensor, as well as operating frequencies up to 10 kHz and high operating temperature ranges from -40°C up to 125°C.

Device Information

Part Series	Package	Body Size (mm)
RR121	SOT-23-3	2.9 x 1.6 x 1.2
	LGA-4	1.4 x 1.4 x 0.45
	Leaded LGA-4	1.4 x 1.4 x 0.45

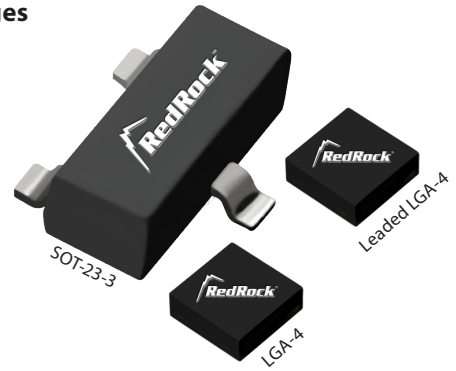
2 Features

- Operate sensitivity from 9 G to 70 G
- Lowest Average Current < 200 nA
- Omnipolar, Unipolar and Bipolar Latching Responses Available
- Operating Frequencies up to 10 kHz
- Temperature Rated up to 125°C
- RoHS & REACH Compliant

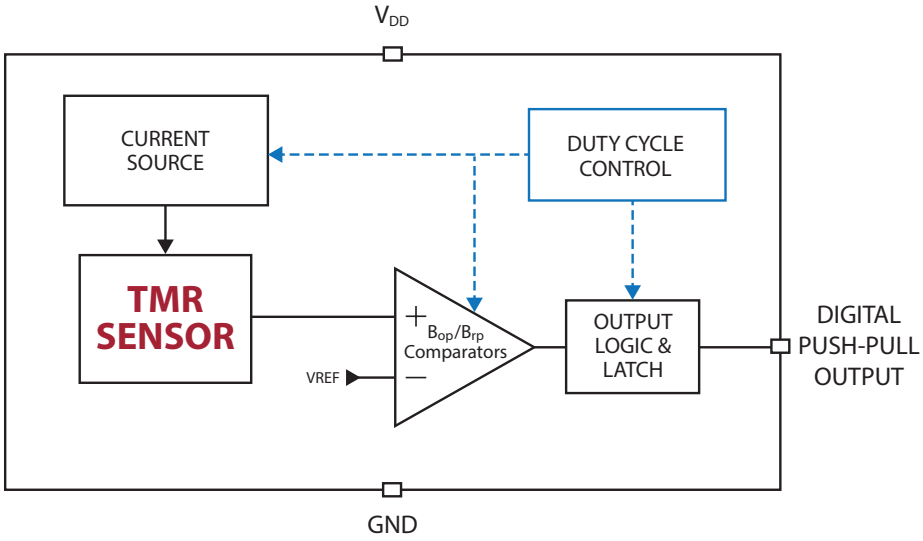
3 Applications

- Proximity Detection
- Rotary Sensing
- Fluid Level Detection
- Door & Lid Closure Detection
- Utility Meters
- Portable Medical Devices
- Motor Controllers
- Consumer Electronics
- Wake-Up µProcessor

Device Packages



Functional Block Diagram



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4 Specifications for all RR121 Series Sensors

4.1 Absolute Environmental Ratings for all RR121 Series Sensors[1]

Parameters	Units	Min	Typ	Max
Operating Temperature (T_{OP})	°C	-40		+125
Storage Temperature (T_{STG})	°C	-65		+150
Junction Temperature (T_J)	°C			+150
Soldering Temperature (3 cycles, 1 min.) (T_{SOL})	°C			+260
ESD Level Human Body Model per JESD22-A114	V	±4000		

4.2 Absolute Electrical Ratings for all RR121 Series Sensors[1]

Parameters	Units	Min	Typ	Max
Supply Voltage (V_{DD})	V	-0.3		+4.0
Push-pull Output (Active Low)(V_{OUT_PP})	V	-0.3		V_{DD}
Input and Output Current (I_{IN}/I_{OUT})	mA	-10		+10

4.3 Operating Electrical Characteristics for all RR121 Series Sensors[2]

Parameters	Units	Min	Typ	Max
Supply Voltage (V_{DD})	V	+2.7	+3.0	+3.6
Output Voltage (High)[3] (V_{OUTH})	V	90% V_{DD}		
Output Voltage (Low)[3] (V_{OUTL})	V			10% V_{DD}
Power-On Time (t_{ON})(V_{DD} > 2.7V)	µs		500	
Under-Voltage Lockout Threshold Rising V_{DD} (V_{UVLO_RISE})	V		+2.20	+2.60
Under-Voltage Lockout Threshold Falling V_{DD} (V_{UVLO_FALL})	V	+1.90	+2.15	
Under-Voltage Lockout Hysteresis (V_{UV_HYST})	mV		+50	

Notes:

1. Exceeding Absolute Ratings may cause permanent damage to the device. Exposure at the maximum rated conditions for extended periods of time may also affect device reliability.
2. Unless otherwise specified, all characteristics are measured at 25°C.
3. See "Magnetic Field vs. Output Status" for more details.

ESD Note: This product uses semiconductors that can be damaged by electrostatic discharge (ESD). When handling, proper ESD precautions should be taken to avoid performance degradation or loss of functionality. Damage due to inappropriate handling is not covered under warranty.

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5 Operating Characteristics for RR121-1B13-311 and RR121-1B13-312[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	nA		200	700
Switching Frequency (f_{SW})	Hz	1	2	4
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms		500	
Operate Point (B_{OPN})	G	27	30	38
Operate Point (B_{OPS})	G	-38	-30	-27
Release Point (B_{RPN})	G	18	20	27
Release Point (B_{RPS})	G	-27	-20	-18
Hysteresis (B_{HYST})[3]	G	5	10	

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

6 Operating Characteristics for RR121-1A23-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	nA		230	700
Switching Frequency (f_{SW})	Hz	7	10	13
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms		100	
Operate Point (B_{OPN})	G	8	9	12
Operate Point (B_{OPS})	G	-12	-9	-8
Release Point (B_{RPN})	G	3	5	7
Release Point (B_{RPS})	G	-7	-5	-3
Hysteresis (B_{HYST})[3]	G	3	4	

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

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7 Operating Characteristics for RR121-1F23-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	nA		230	700
Switching Frequency (f_{SW})	Hz	7	10	13
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms	77	100	143
Operate Point (B_{OPN})	G		70	
Operate Point (B_{OPS})	G		-70	
Release Point (B_{RPN})	G		50	
Release Point (B_{RPS})	G		-50	
Hysteresis (B_{HYST})[3]	G		20	

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

8 Operating Characteristics for RR121-1B53-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		1.4	2.5
Switching Frequency (f_{SW})	Hz	165	250	300
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms		4.0	
Operate Point (B_{OPN})	G	27	30	38
Operate Point (B_{OPS})	G	-38	-30	-27
Release Point (B_{RPN})	G	18	20	27
Release Point (B_{RPS})	G	-27	-20	-18
Hysteresis (B_{HYST})[3]	G	5	10	

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

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9 Operating Characteristics for RR121-1A53-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		1.2	2.5
Switching Frequency (f_{SW})	Hz	165	250	300
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms	3.3	4.0	6.0
Operate Point (B_{OPN})	G	8	9	12
Operate Point (B_{OPS})	G	-12	-9	-8
Release Point (B_{RPN})	G	3	5	7
Release Point (B_{RPS})	G	-7	-5	-3
Hysteresis (B_{HYST})[3]	G	3	4	

10 Operating Characteristics for RR121-1E73-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		8	13
Switching Frequency (f_{SW})	kHz	1.63	2.50	3.25
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	µs	308	400	614
Operate Point (B_{OPN})	G	13	15	18
Operate Point (B_{OPS})	G	-18	-15	-13
Release Point (B_{RPN})	G	8	10	13
Release Point (B_{RPS})	G	-13	-10	-8
Hysteresis (B_{HYST})[3]	G	3	5	

11 Operating Characteristics for RR121-1B93-312[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		36	
Switching Frequency (f_{SW})	kHz	7	10	13
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	µs	77	100	143
Operate Point (B_{OPN})	G	27	30	38
Operate Point (B_{OPS})	G	-38	-30	-27
Release Point (B_{RPN})	G	18	20	27
Release Point (B_{RPS})	G	-27	-20	-18
Hysteresis (B_{HYST})[3]	G	5	10	

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

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12 Operating Characteristics for RR121-2A32-364[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	nA		280	700
Switching Frequency (f_{SW})	Hz	12	20	28
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms	36	50	83
Operate Point (B_{OPN})	G	8	9	12
Operate Point (B_{OPS})	G	-12	-9	-8
Release Point (B_{RPN})	G	3	5	7
Release Point (B_{RPS})	G	-7	-5	-3
Hysteresis (B_{HYST})[3]	G	3	4	

13 Operating Characteristics for RR121-3C63-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		1.7	3.3
Switching Frequency (f_{SW})	Hz	325	500	600
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	ms		2.0	
Operate Point (B_{OPS})	G	-14	-10	-8
Release Point (B_{RPN})	G	8	10	14

14 Operating Characteristics for RR121-3C73-311[1]

Parameters	Units	Min	Typ	Max
Average Supply Current ($I_{DD\ (AVG)}$)[2]	µA		8	13
Switching Frequency (f_{SW})	kHz	1.63	2.50	3.25
Active Mode Time (t_{ACT})	µs		1.4	
Idle Mode Time (t_{IDLE})	µs	308	400	614
Operate Point (B_{OPS})	G	-14	-10	-8
Release Point (B_{RPN})	G	8	10	14

Notes:

1. Unless otherwise specified, V_{DD} = 2.7 V to 3.6 V, T_A = -40°C to +125°C. Typical values are V_{DD} = 3.0 V and T_A = +25°C.
2. Conditions: t = 10 seconds
3. Conditions: $B_{HYST} = | B_{OP} - B_{RP} |$

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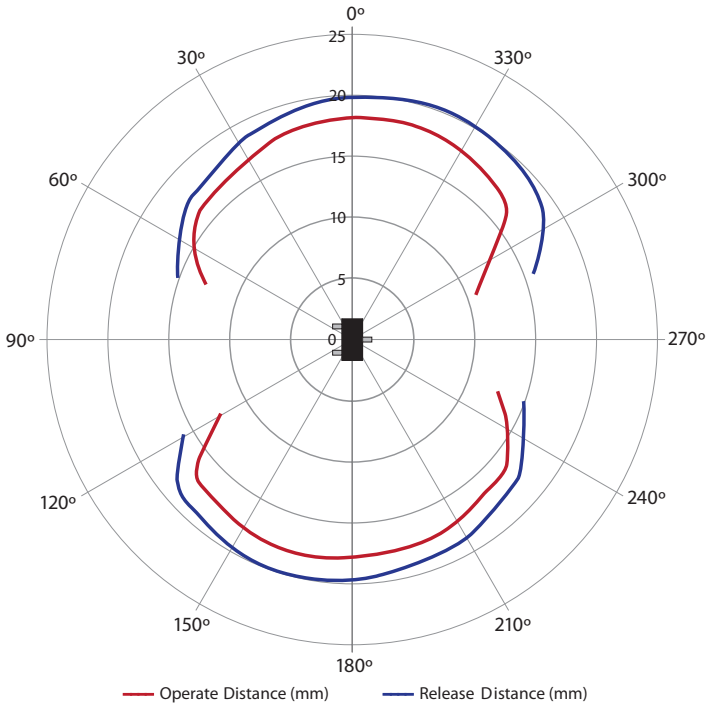
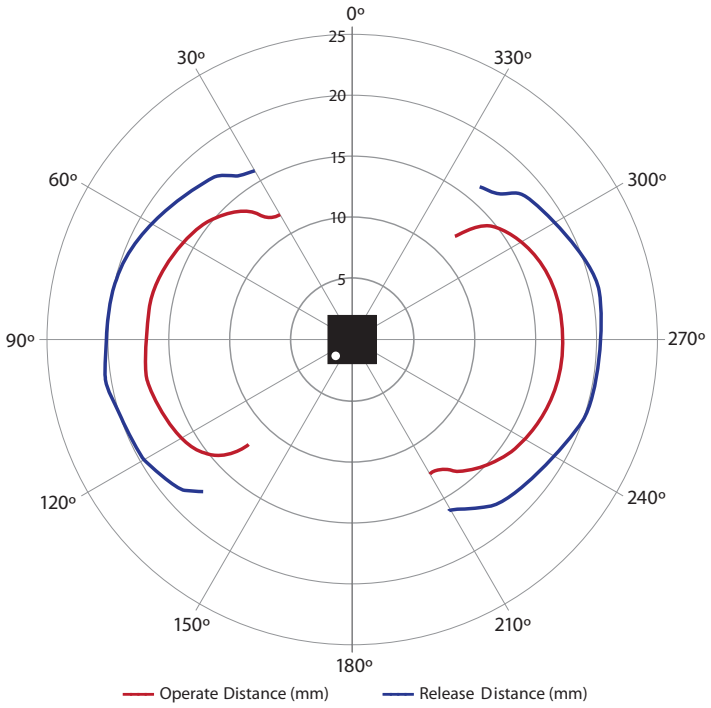
15 Operate & Release Lobe Plots

Operate and release distances show are relative. The actual operate and release distances will depend on the type of magnet that is used.

15.1 RR121-1B13-311



15.2 RR121-1B13-312



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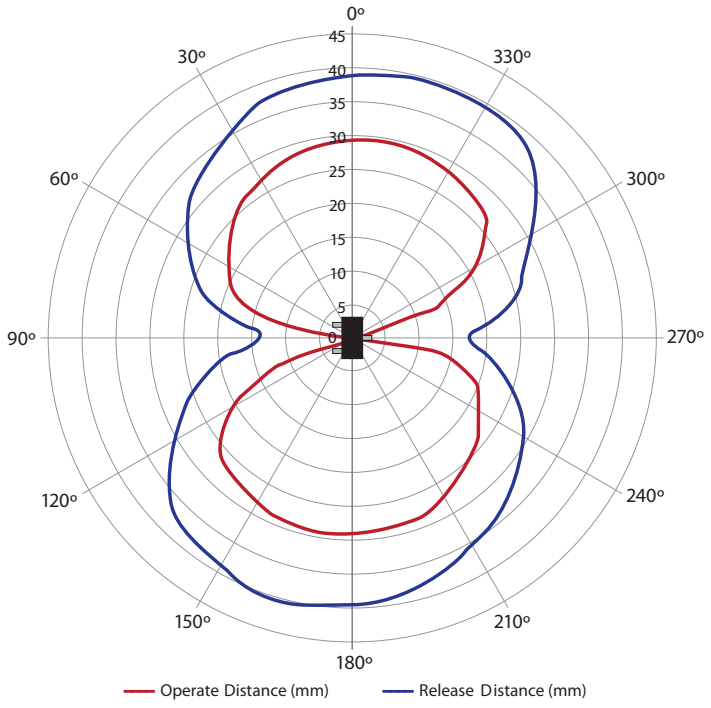

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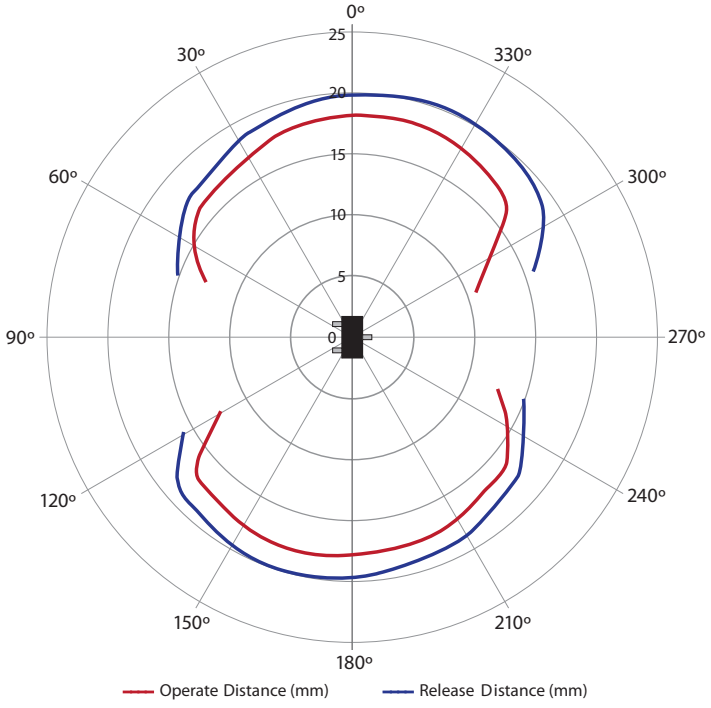

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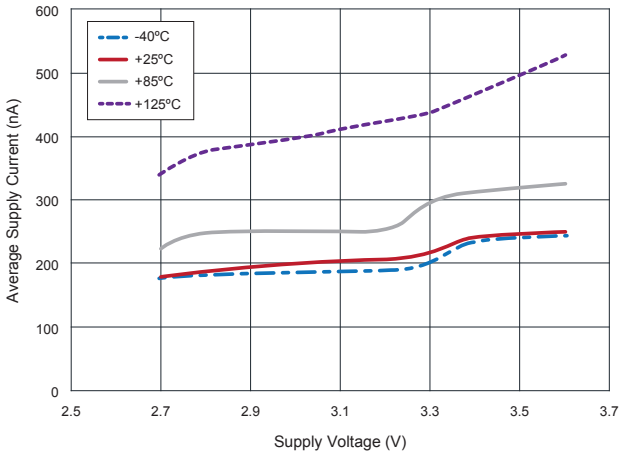
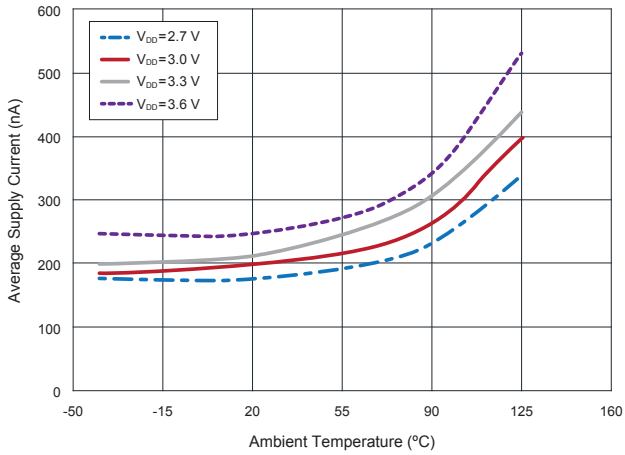
16 Graphs - Typical Electrical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

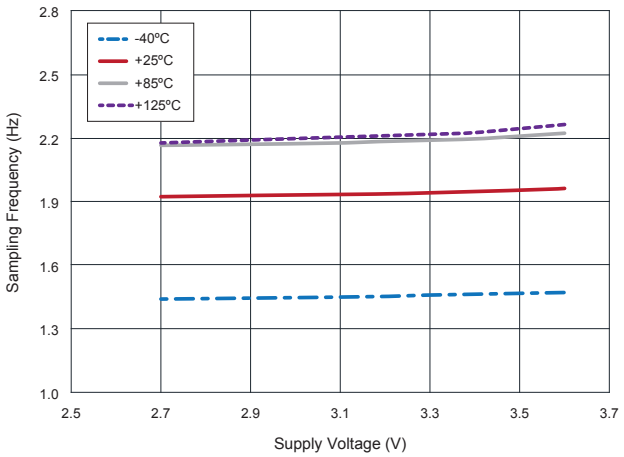
16.1 RR121-1B13-311 and RR121-1B13-312 Average Supply Current vs. Supply Voltage vs. Temperature



16.2 RR121-1B13-311 and RR121-1B13-312 Average Supply Current vs. Temperature vs. Supply Voltage



16.3 RR121-1B13-311 and RR121-1B13-312 Sampling Frequency vs. Supply Voltage vs. Temperature



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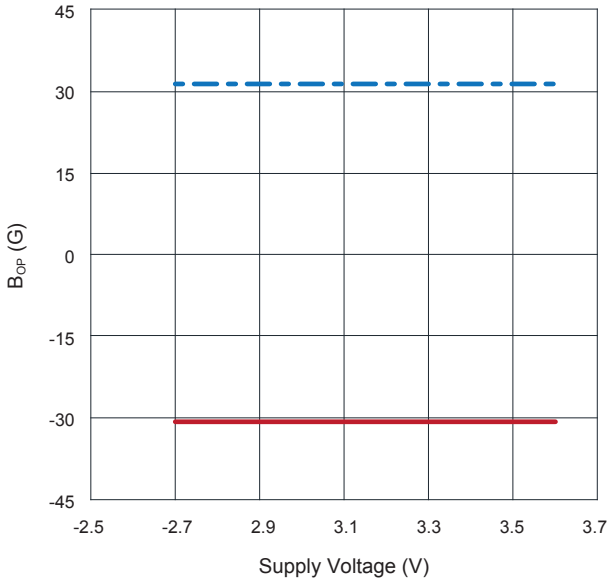
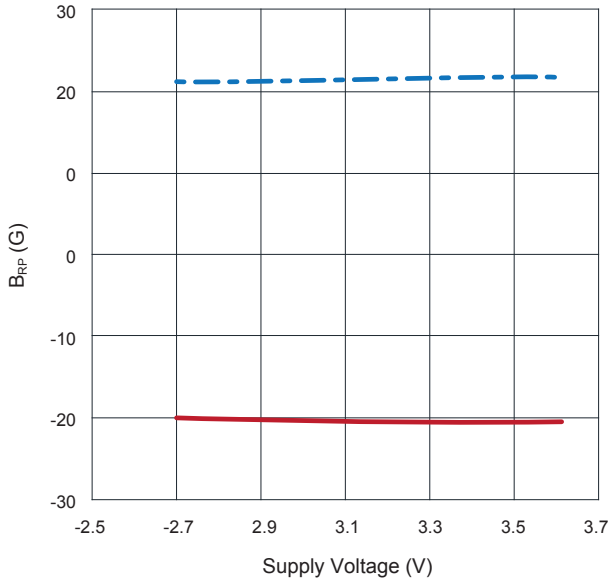
16 Graphs - Typical Magnetic Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

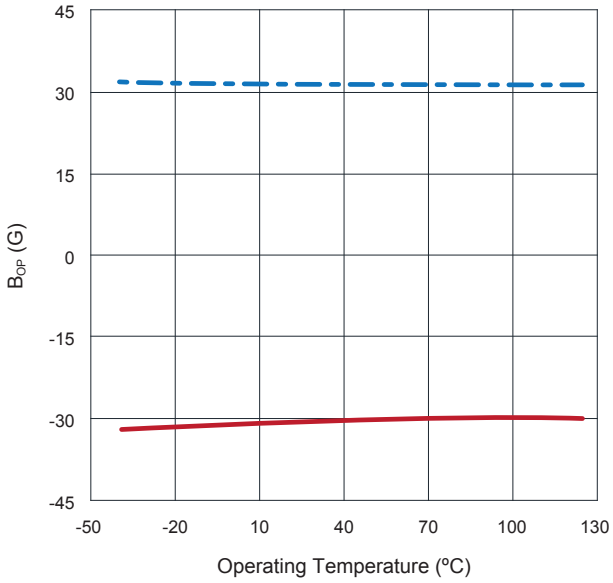
16.4 RR121-1B13-311 and RR121-1B13-312 B_{OPN} (Blue) and B_{OPS} (Red) vs. Supply Voltage at +25°C



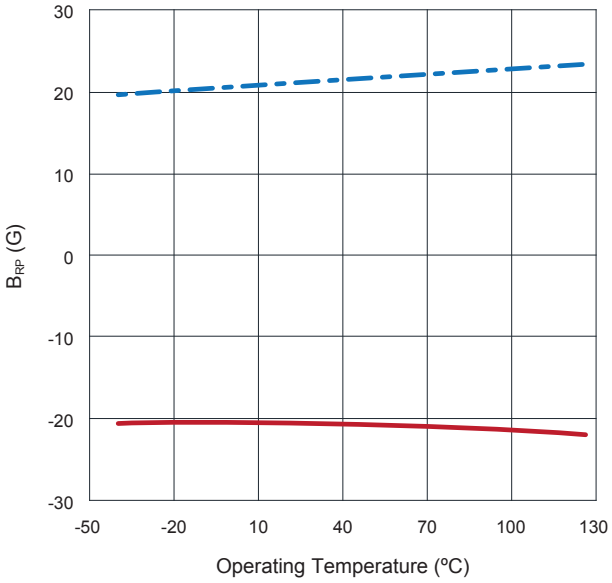
16.5 RR121-1B13-311 and RR121-1B13-312 B_{RPN} (Blue) and B_{RPS} (Red) vs. Supply Voltage at +25°C



16.6 RR121-1B13-311 and RR121-1B13-312 B_{OPN} (Blue) and B_{OPS} (Red) vs. Operating Temperature at V_{DD}=3.0 V



16.7 RR121-1B13-311 and RR121-1B13-312 B_{RPN} (Blue) and B_{RPS} (Red) vs. Operating Temperature at V_{DD}=3.0 V



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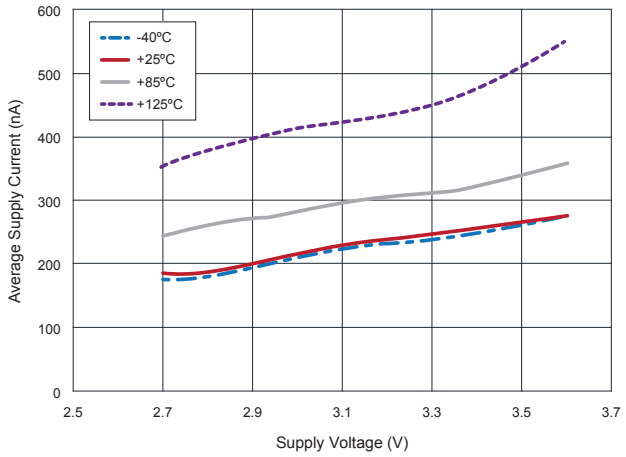
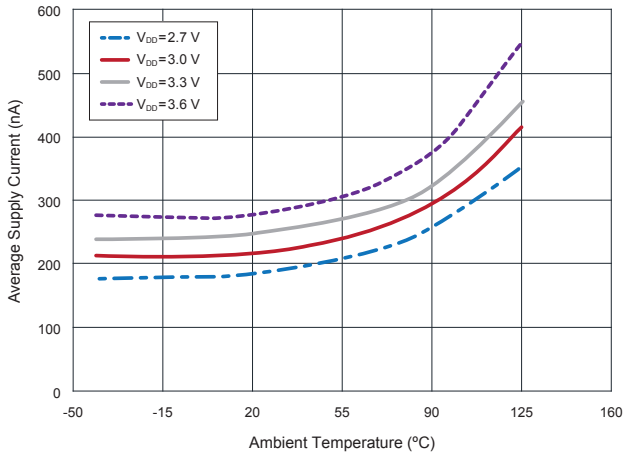
16 Graphs - Typical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

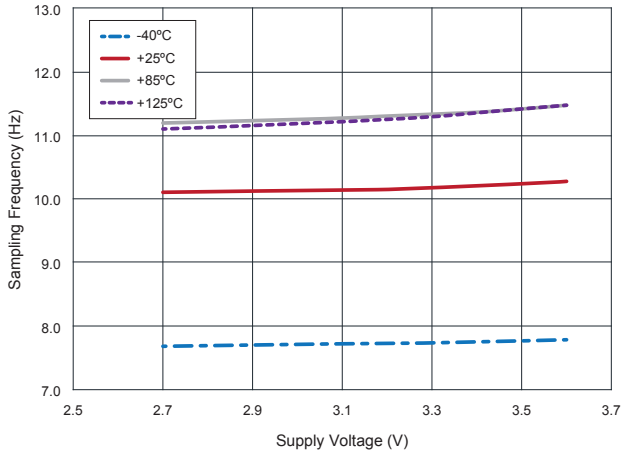
16.8 RR121-1A23-311 and RR121-1F23-311 Average Supply Current vs. Supply Voltage vs. Temperature



16.9 RR121-1A23-311 and RR121-1F23-311 Average Supply Current vs. Temperature vs. Supply Voltage



16.10 RR121-1A23-311 and RR121-1F23-311 Sampling Frequency vs. Supply Voltage vs. Temperature



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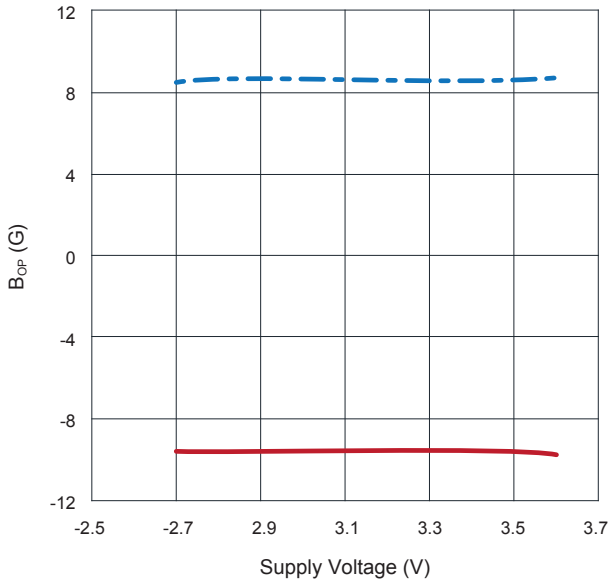
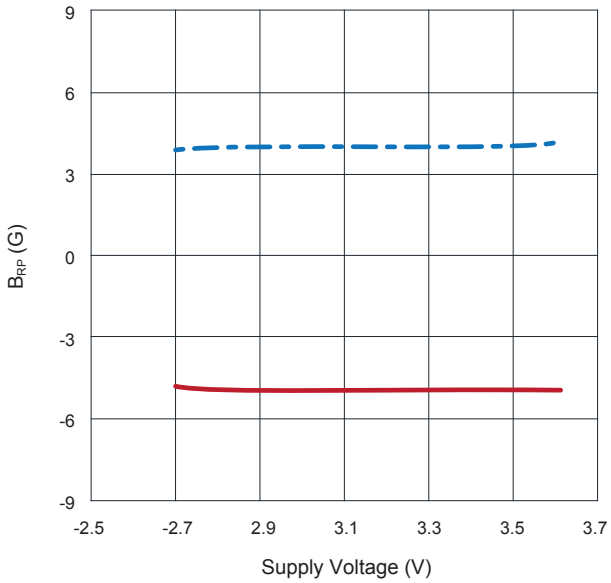
16 Graphs - Typical Magnetic Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

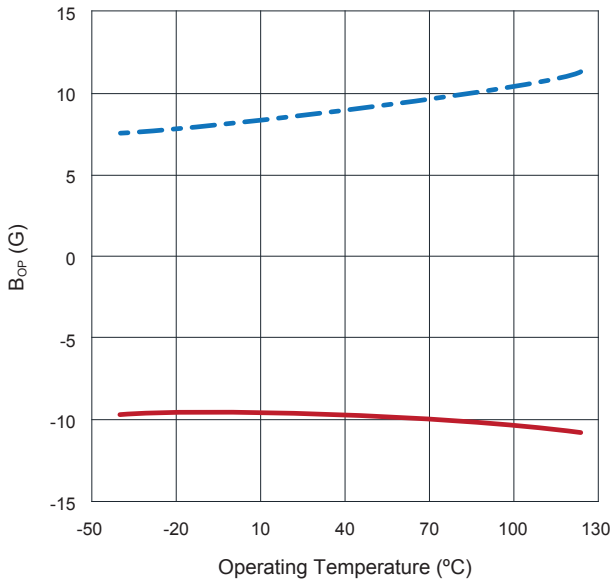
16.11 RR121-1A23-311
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Supply Voltage at +25°C



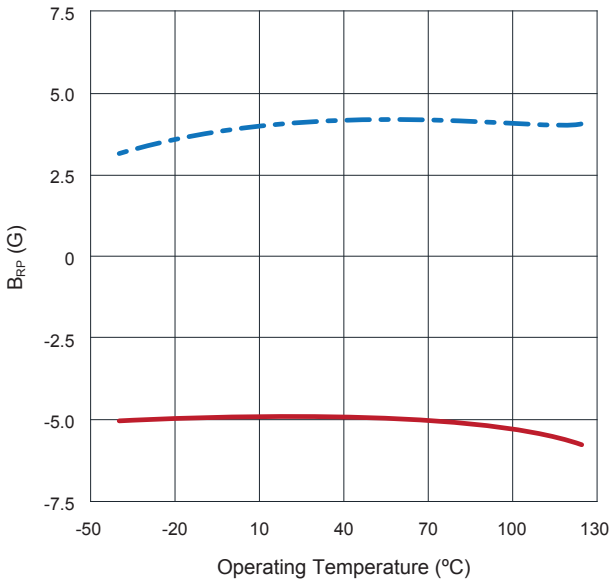
16.12 RR121-1A23-311
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Supply Voltage at +25°C



16.13 RR121-1A23-311
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



16.14 RR121-1A23-311
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



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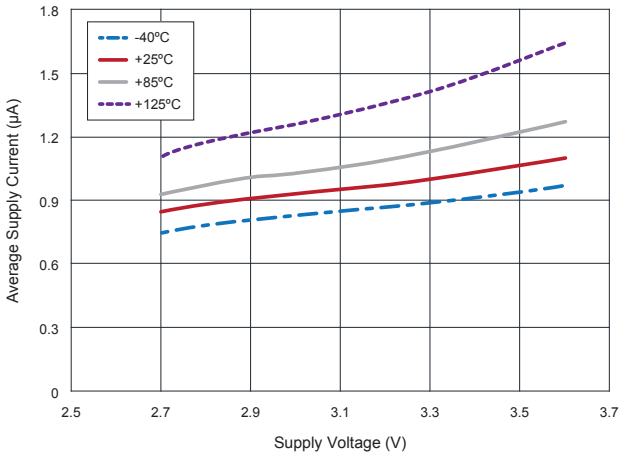
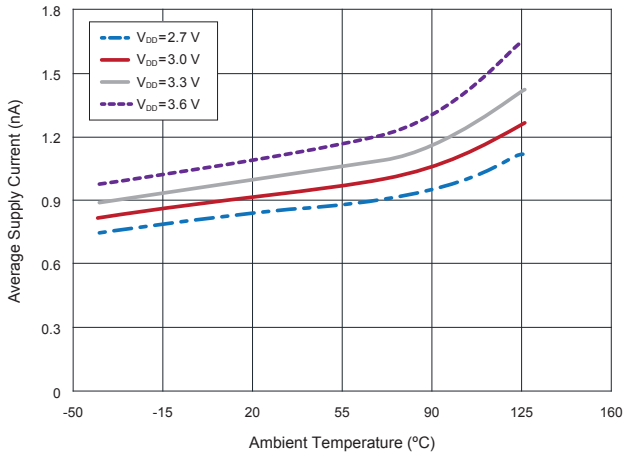
16 Graphs - Typical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

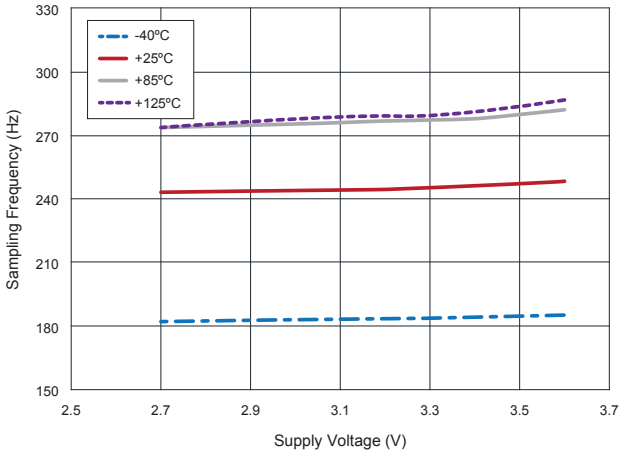
16.15 RR121-1B53-311 and RR121-1A53-311 Average Supply Current vs. Supply Voltage vs. Temperature



16.16 RR121-1B53-311 and RR121-1A53-311 Average Supply Current vs. Temperature vs. Supply Voltage



16.17 RR121-1B53-311 and RR121-1A53-311 Sampling Frequency vs. Supply Voltage vs. Temperature



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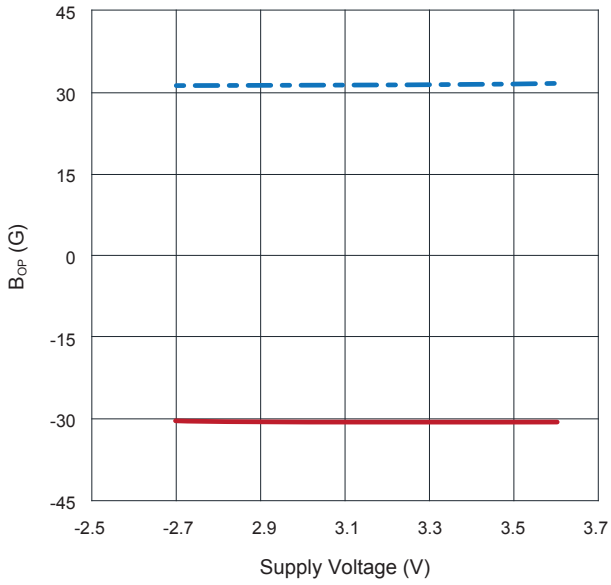
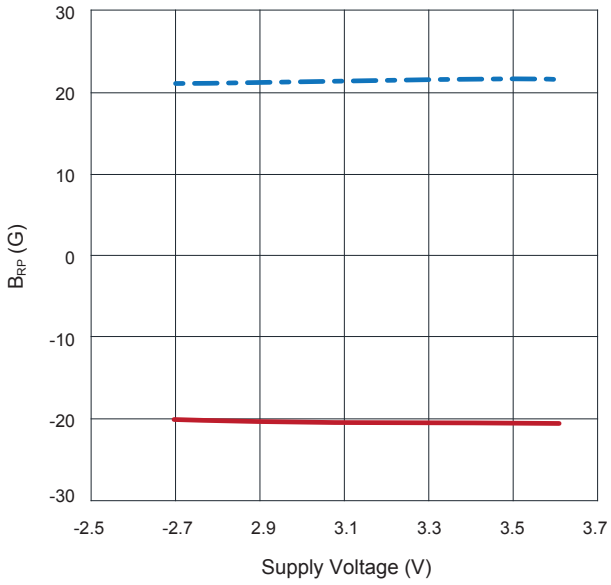
16 Graphs - Typical Magnetic Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

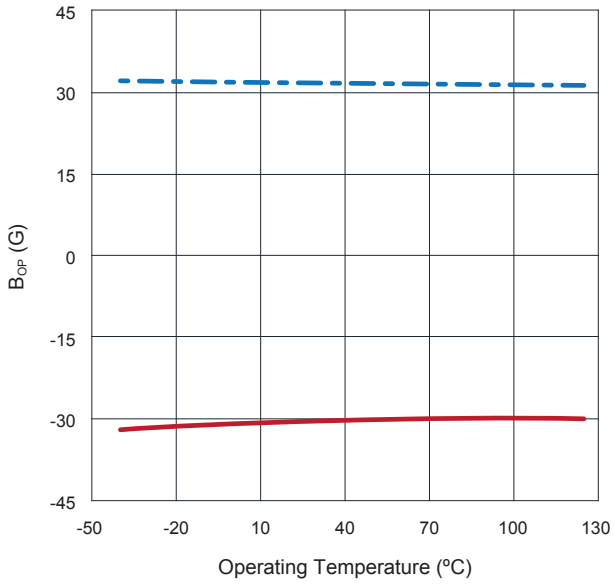
16.18 RR121-1B53-311
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Supply Voltage at +25°C



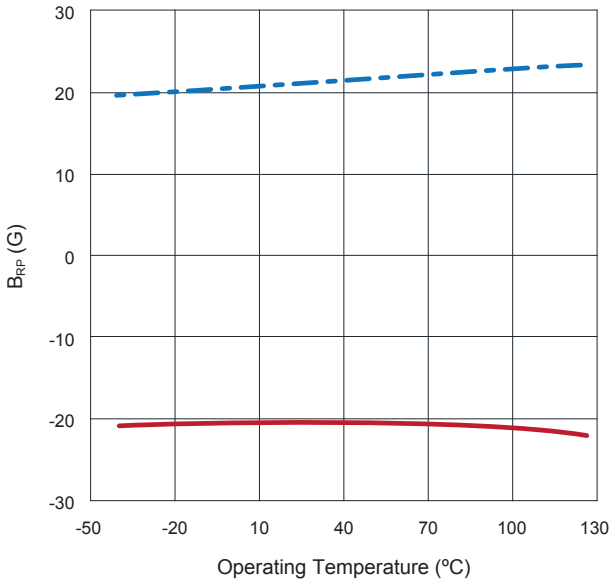
16.19 RR121-1B53-311
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Supply Voltage at +25°C



16.20 RR121-1B53-311
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



16.21 RR121-1B53-311
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



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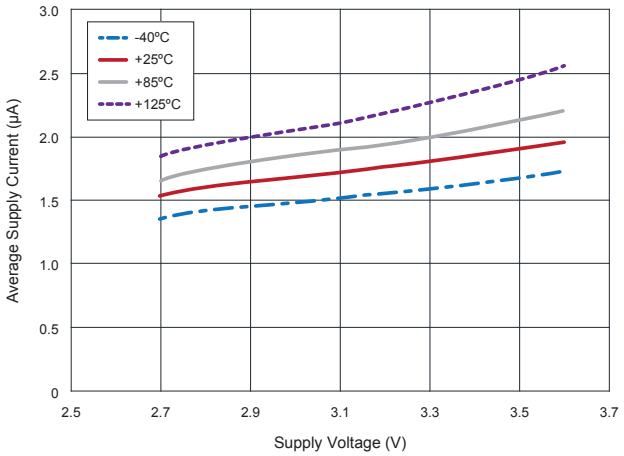
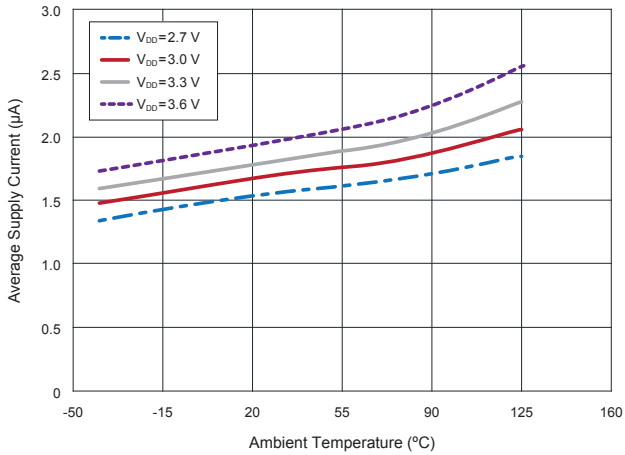
16 Graphs - Typical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

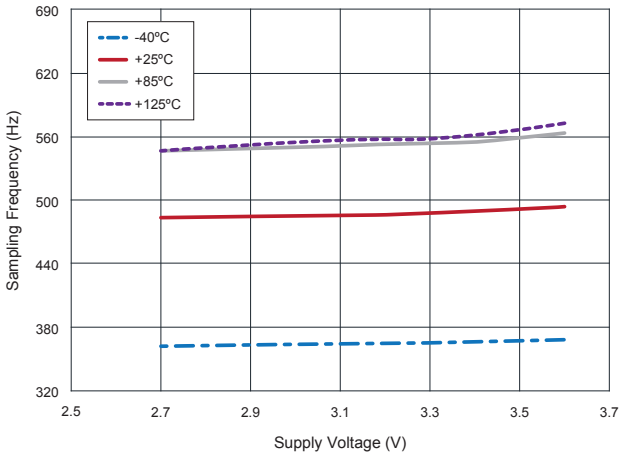
16.22 RR121-3C63-311 Average Supply Current vs. Supply Voltage vs. Temperature



16.23 RR121-3C63-311 Average Supply Current vs. Temperature vs. Supply Voltage



16.24 RR121-3C63-311 Sampling Frequency vs. Supply Voltage vs. Temperature



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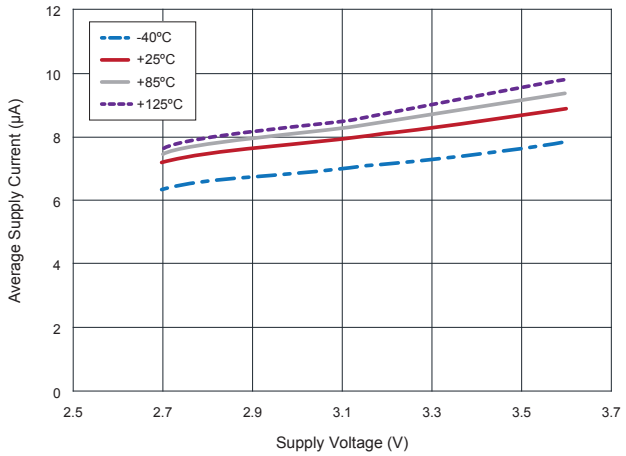
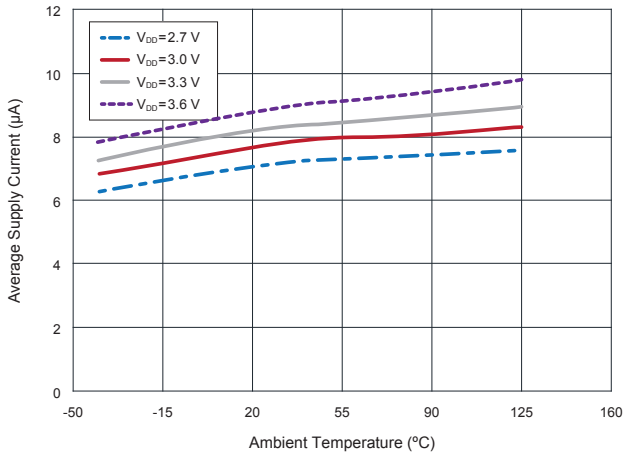
16 Graphs - Typical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

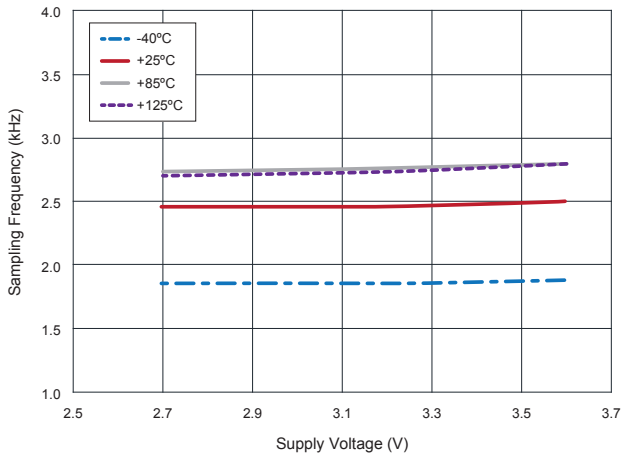
16.25 RR121-1E73-311 and RR121-3C73-311 Average Supply Current vs. Supply Voltage vs. Temperature



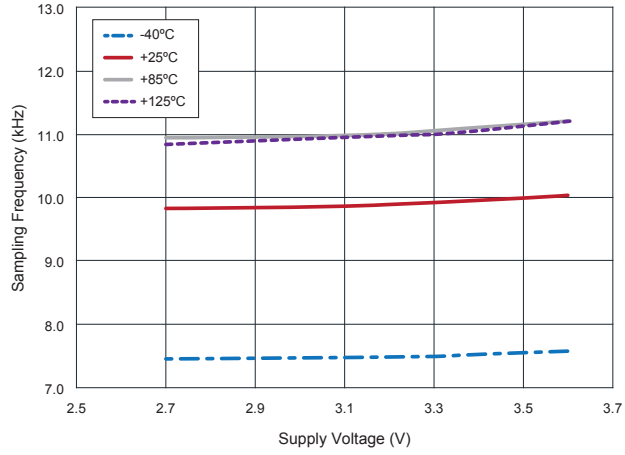
16.26 RR121-1E73-311 and RR121-3C73-311 Average Supply Current vs. Temperature vs. Supply Voltage



16.27 RR121-1E73-311 and RR121-3C73-311 Sampling Frequency vs. Supply Voltage vs. Temperature



16.28 RR121-1B93-312 Sampling Frequency vs. Supply Voltage vs. Temperature



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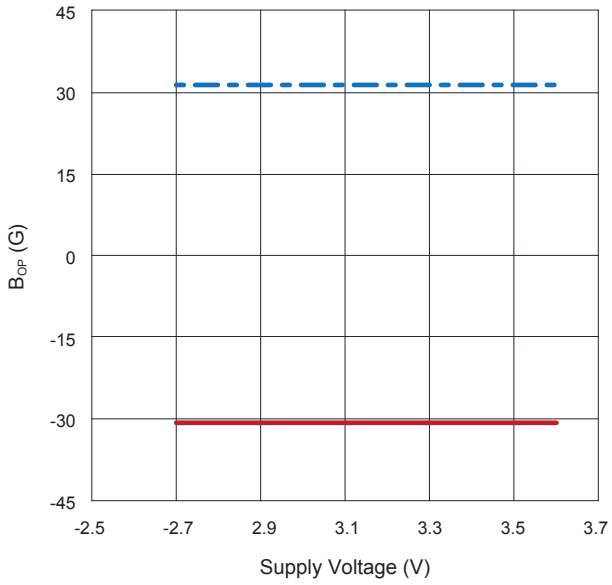
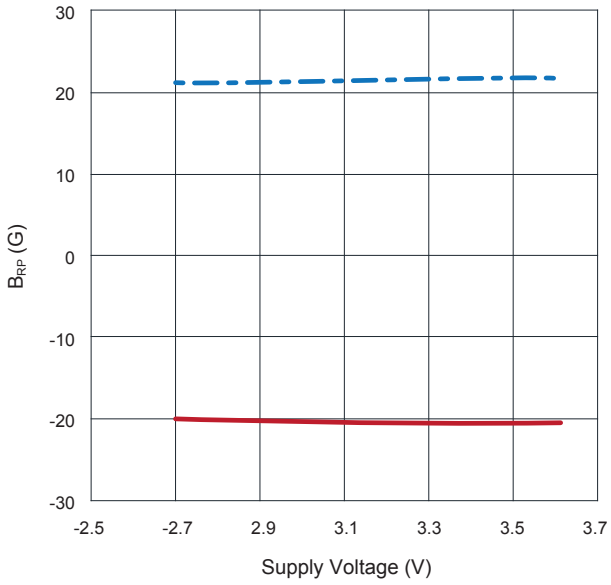
16 Graphs - Typical Magnetic Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

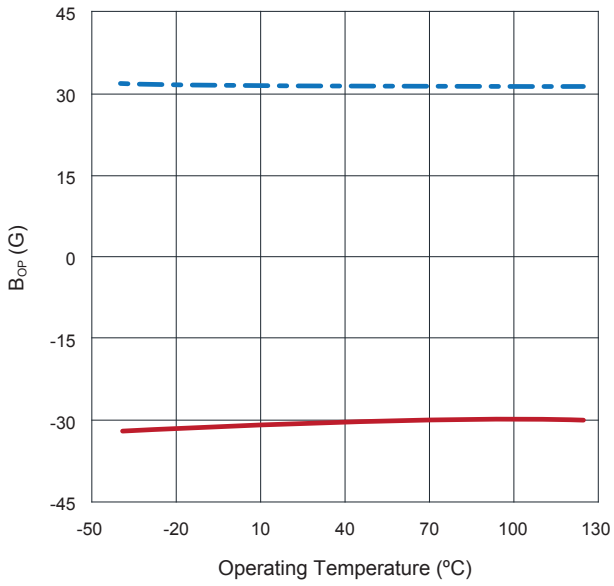
16.29 RR121-1B93-312
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Supply Voltage at +25°C



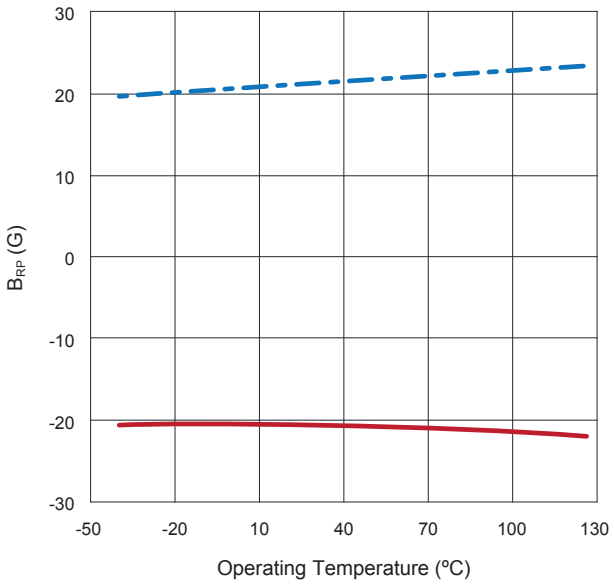
16.30 RR121-1B93-312
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Supply Voltage at +25°C



16.31 RR121-1B93-312
B_{OPN} (Blue) and B_{OPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



16.32 RR121-1B93-312
B_{RPN} (Blue) and B_{RPS} (Red) vs.
Operating Temperature at V_{DD}=3.0 V



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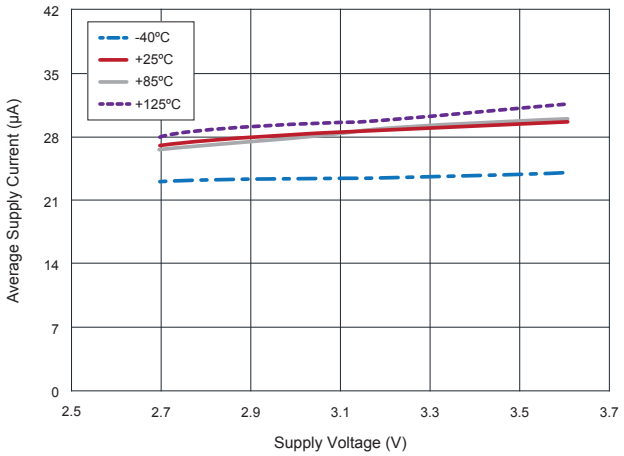
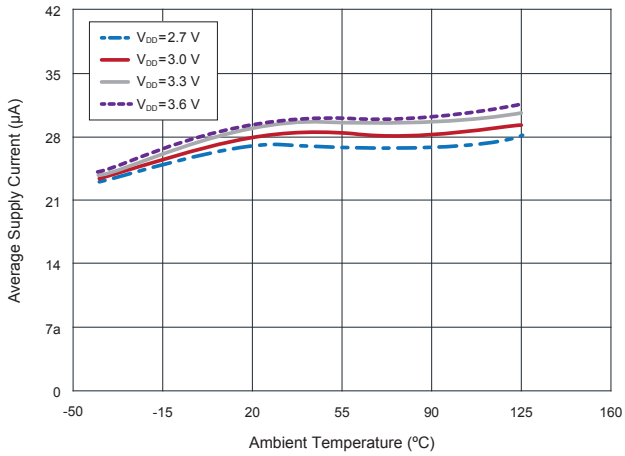
16 Graphs - Typical Electrical Characteristics

V_{DD} = 3.0 V and T_A = +25 °C, C_{DD} = 1.0 µF (unless otherwise specified)

16.33 RR121-1B93-312
Average Supply Current vs.
Supply Voltage vs. Temperature



16.34 RR121-1B93-312
Average Supply Current vs.
Temperature vs. Supply Voltage



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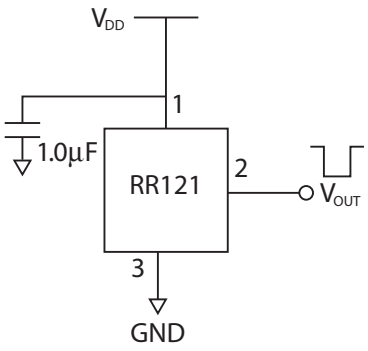
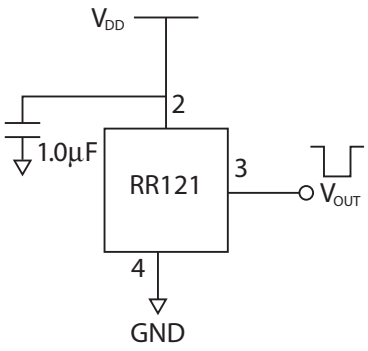
17 Application Information

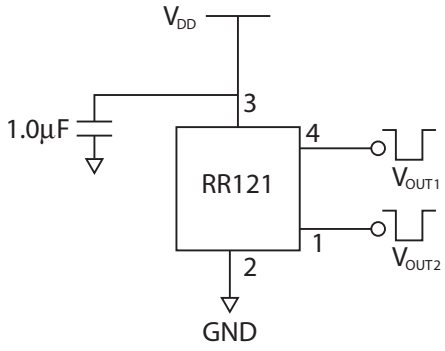
17.1 Application Circuit (SOT-23-3)



17.2 Application Circuit (LGA-4)



17.3 Application Circuit (Leaded LGA-4)



RR121 Push-Pull Output Application Circuit

The output voltage on the RR121 is active low, meaning that while a sufficiently strong magnetic field is present, the output voltage is low. The output voltage can be connected to a digital I/O pin on a microcontroller. A decoupling capacitor between the supply voltage and ground is required with placement close to the magnetic sensor. A typical capacitor value of 1.0 µF will suffice.

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18 Part Selection and Ordering Information

18.1 Part Selection Table

Part Number	Magnetic Polarity Response	Operate Sensitivity (G)	Release Sensitivity (G)	Frequency (Hz)	I_{avg} (µA)	Temp. Rating (°C)	Supply Voltage (V_{dd})	Output Response	Package
RR121-1B13-312	Omnipolar	30	20	2	0.20	-40 - +125	2.7 - 3.6	Active Low	LGA-4
RR121-1B13-311	Omnipolar	30	20	2	0.20	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1B53-311	Omnipolar	30	20	250	1.44	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1A23-311	Omnipolar	9	5	10	0.24	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1F23-311	Omnipolar	70	50	10	0.24	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1A53-311	Omnipolar	9	5	250	1.44	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1E73-311	Omnipolar	15	10	2500	8	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-1B93-312	Omnipolar	30	20	10000	36	-40 - +125	2.7 - 3.6	Active Low	LGA-4
RR121-2A32-364	Unipolar	9	5	20	0.28	-40 - +85	2.7 - 3.6	Dual Active Low	Leaded LGA-4
RR121-3C63-311	Bipolar	-10	10	500	1.70	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3
RR121-3C73-311	Bipolar	-10	10	2500	8	-40 - +125	2.7 - 3.6	Active Low	SOT-23-3

Note:

1. Custom options available for Sensitivity, Frequency, Temperature Rating, Supply Voltage, Output Response & more. Please contact redrock@cotorelay.com for more details.

18.2 Device Nomenclature

Ordering Information

RR121-X X X X-Y Y Y

Series

Magnetic Polarity Response
1 = Omnipolar
2 = Unipolar
3 = Bipolar/Latch

Magnetic Sensitivity
A: Op 9, Rel 5
B: Op 30, Rel 20
C: Op 10, Rel -10
E: Op 15, Rel 10
F: Op 70, Rel 50

Clock Frequency (Hz)
1: 2 Hz
2: 10 Hz
3: 20 Hz
5: 250 Hz
6: 500 Hz
7: 2500 Hz
9: 10000 Hz

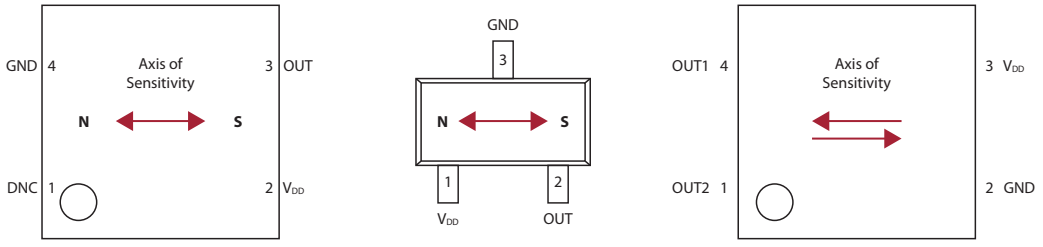
Temp Rating (°C)
2: -40-+85
3: -40-+125

Supply Voltage/Output
3: 3V

Output Response
1: Active Low
6: Dual Active Low

Package
1: SOT-23-3
2: LGA-4
4: Leaded LGA-4
(Dual Active Low Output Only)

19 Axis of Sensitivity



LGA-4 Package (Active Low) | SOT-23-3 Package | Leaded LGA-4 Package (Dual Active Low)

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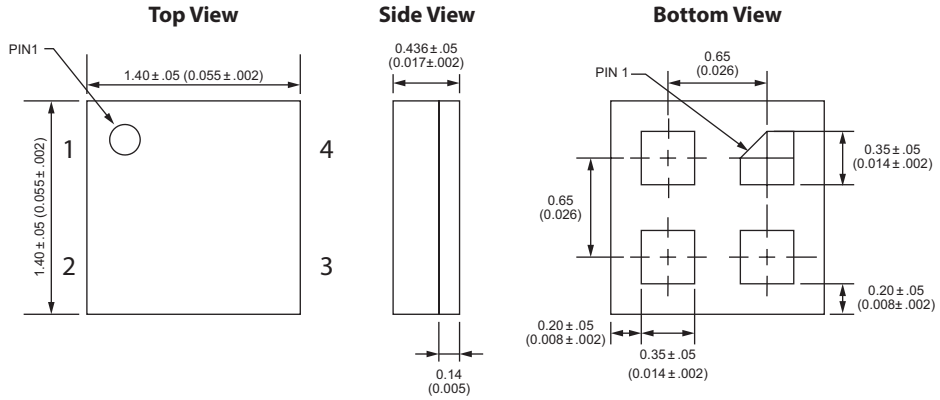
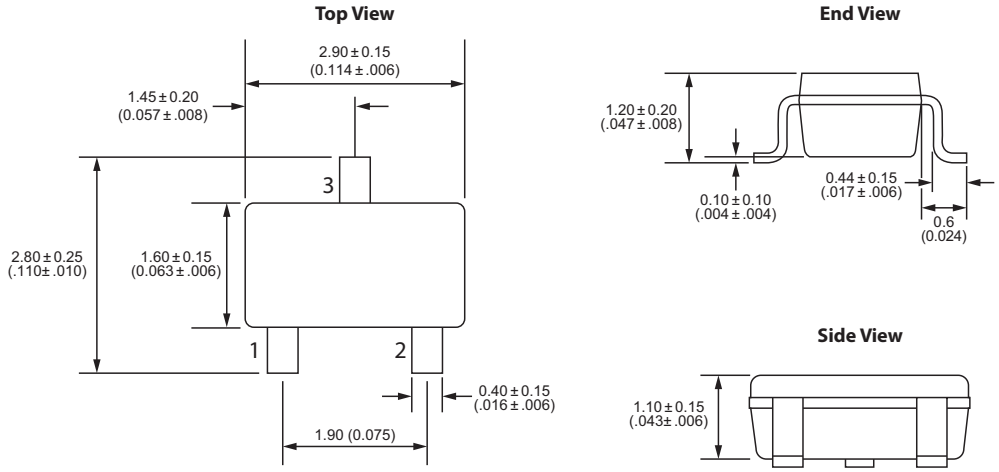
20 Dimensions *Millimeters (Inches)*

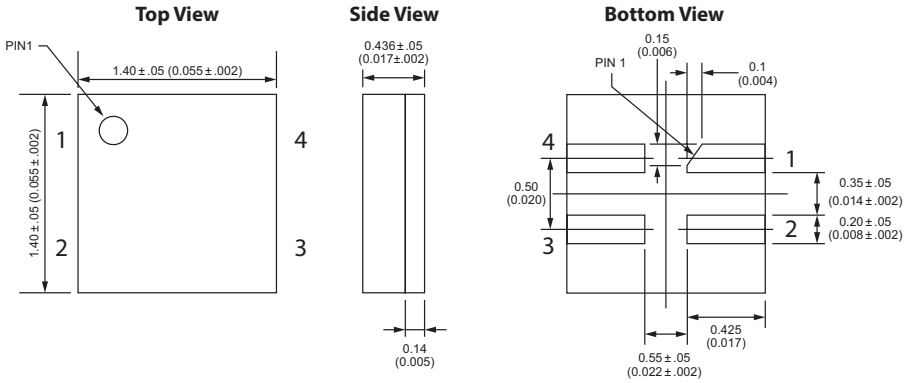
20.1 LGA-4 Package



20.2 SOT-23-3 Package



20.3 Leaded LGA-4 Package



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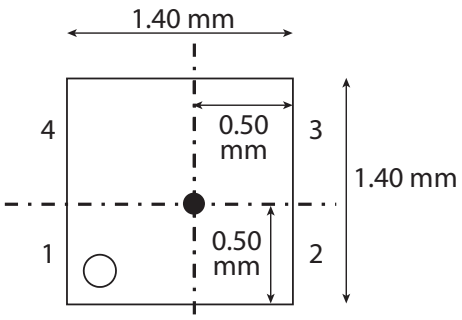
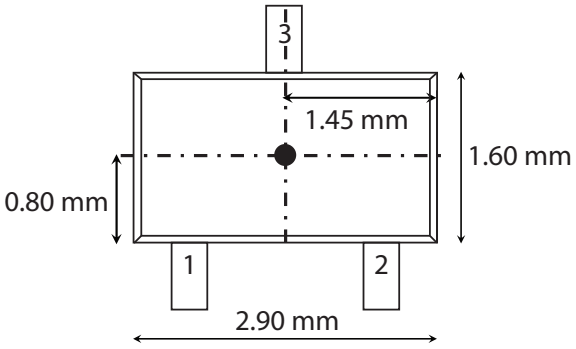
21 TMR Sensor Location

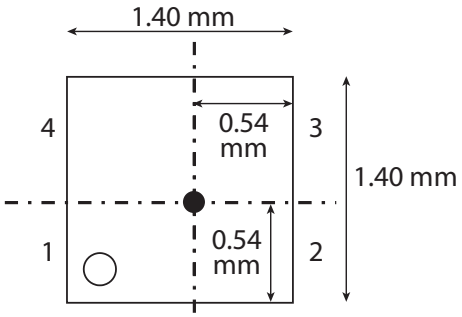
21.1 LGA Package



21.2 SOT Package



21.3 Leaded LGA Package



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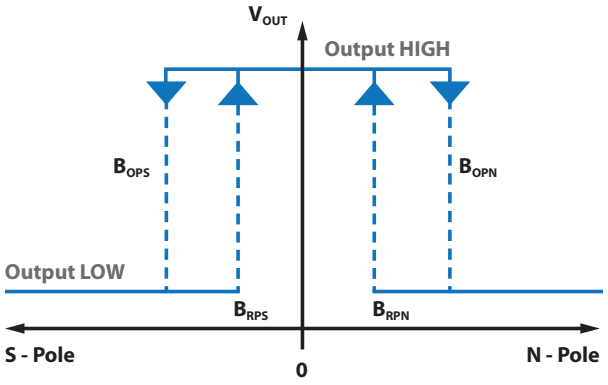
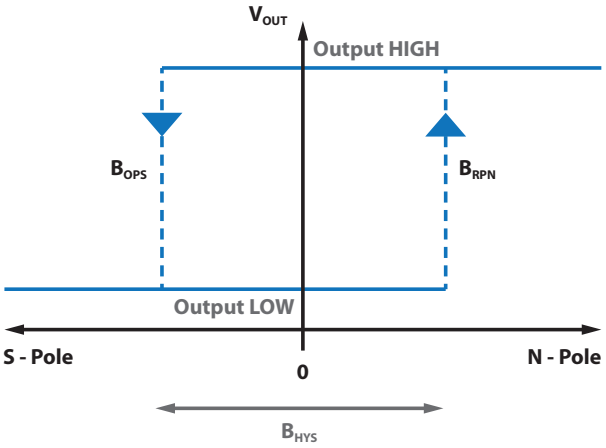
22 Magnetic Flux Response Diagrams

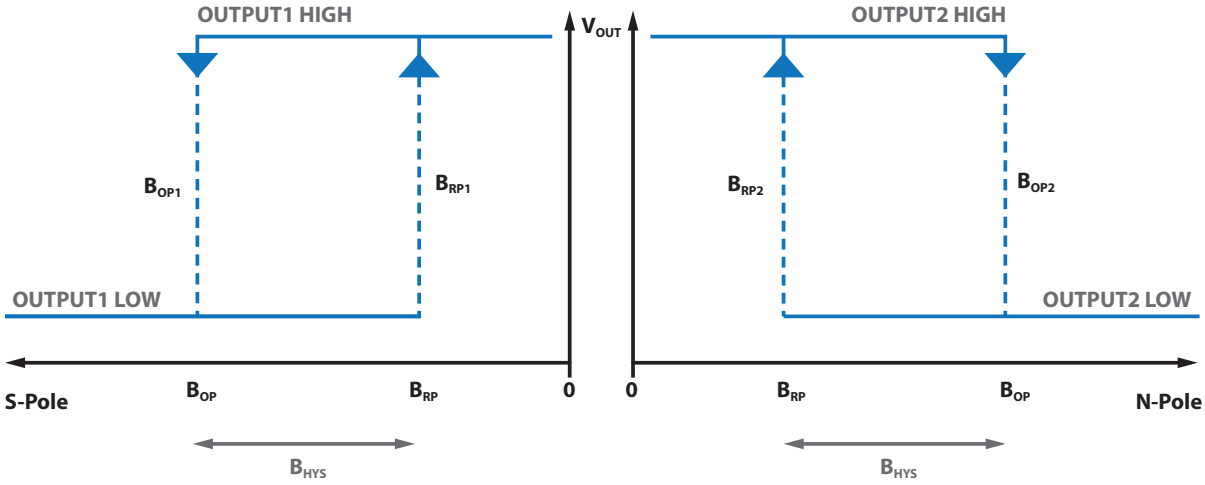
22.1 Omnipolar Magnetic Flux Response
(Active Low Option)



22.2 Bipolar Magnetic Flux Response
(Active Low Option)



22.3 Unipolar Magnetic Flux Response
(Dual Active Low Option)



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23 Output Behavior vs. Magnetic Field Diagrams

23.1 Output Behavior vs. Magnetic Field - Omnipolar

Characteristics	Conditions	Output
South Pole	$B < B_{OPS}$ $0 > B > B_{RPS}$	Low (ON) High (OFF)
North Pole	$B > B_{OPN}$ $0 < B < B_{RPN}$	Low (ON) High (OFF)

23.2 Output Behavior vs. Magnetic Field - Bipolar

Characteristics	Conditions	Output
South Pole	$B < B_{OPS}$	Low (ON)
North Pole	$B > B_{RPN}$	High (OFF)

23.3 Output Behavior vs. Magnetic Field - Unipolar (Dual Output)

OUTPUT2: North Field

Characteristics	Conditions	Output
South Field	$B > B_{OP}$	High (OFF)
Null or Weak Magnetic Field	$B < B_{RP}$	High (OFF)
North Field	$B > B_{OP}$	Low (ON)

OUTPUT1: South Field

Characteristics	Conditions	Output
North Field	$B > B_{OP}$	High (OFF)
Null or Weak Magnetic Field	$B < B_{RP}$	High (OFF)
South Field	$B > B_{OP}$	Low (ON)

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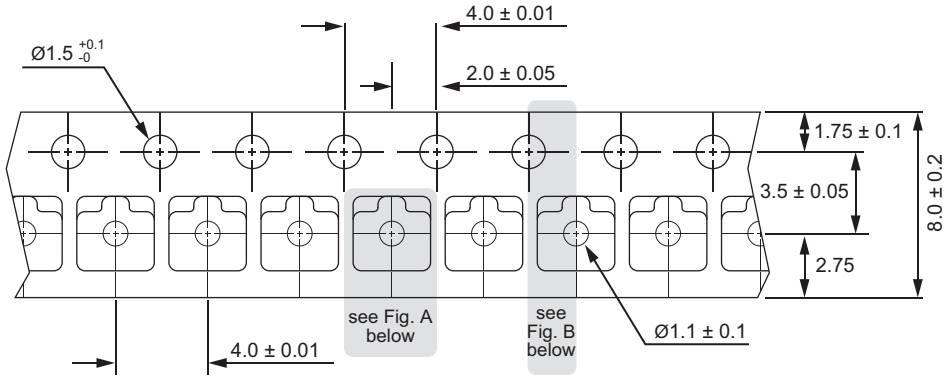
24 TMR Sensor & Switch Packaging

24.1 SOT-23-3 Tape & Reel Packaging

Standard packaging is Tape & Reel containing 3,000 pieces. MSL Rating is 1.



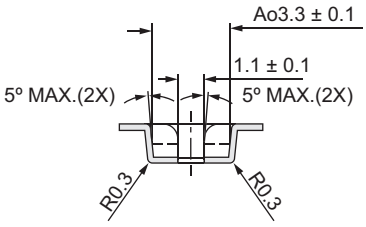


Fig. A

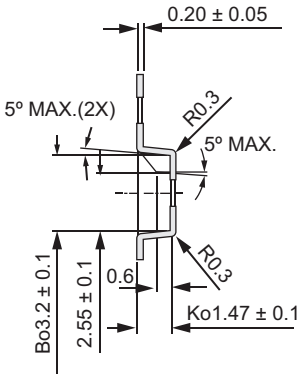
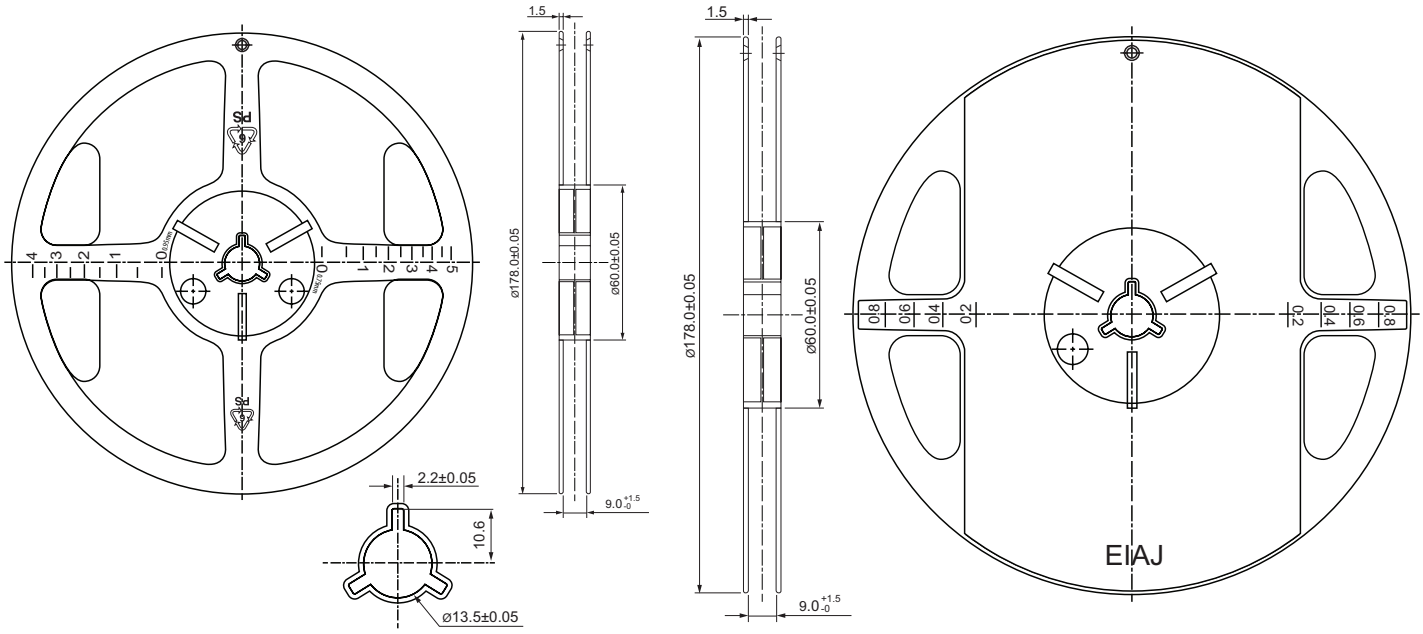


Fig. B



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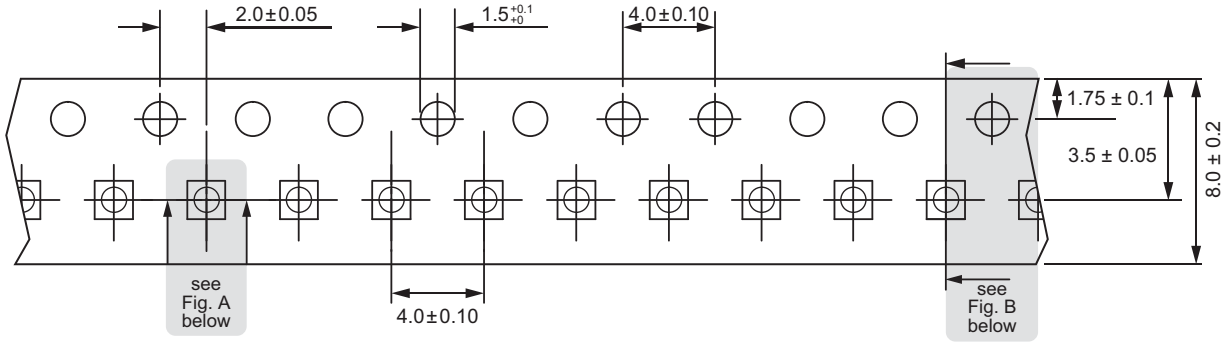
24 TMR Sensor & Switch Packaging

24.2 LGA-4 & Leaded LGA-4 Tape & Reel Packaging

Standard packaging is Tape & Reel containing 3,000 pieces. MSL Rating is 3.



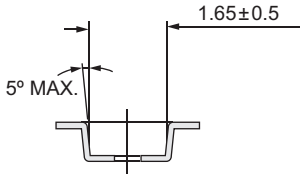


Fig. A

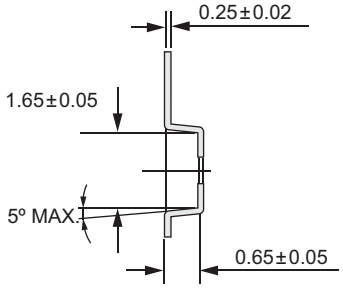
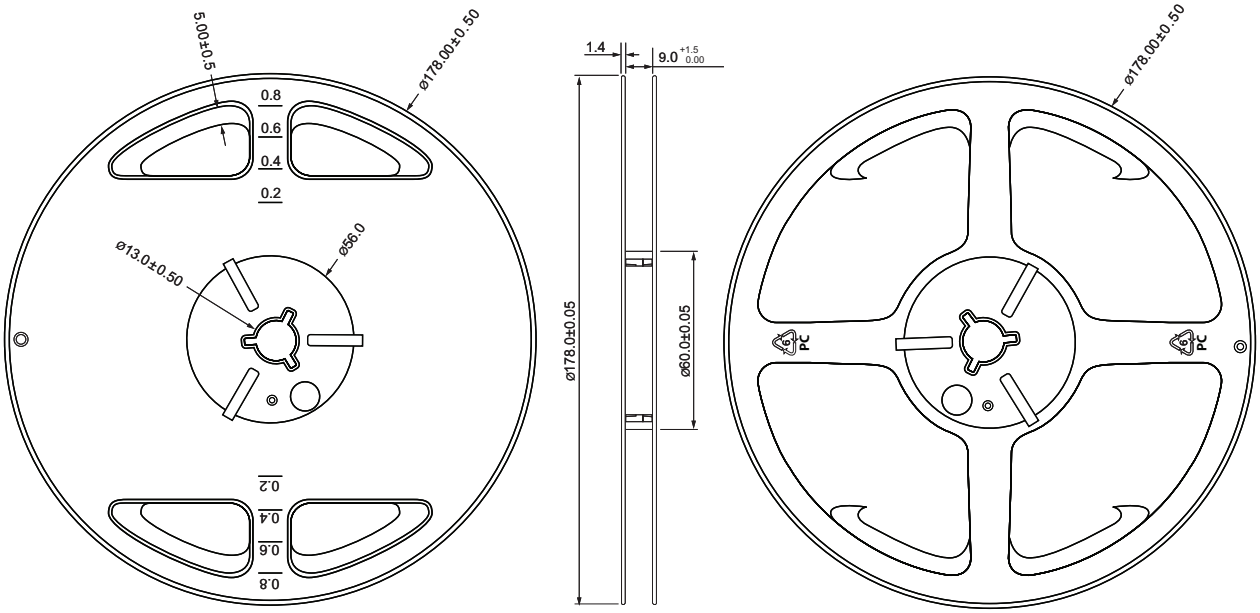


Fig. B



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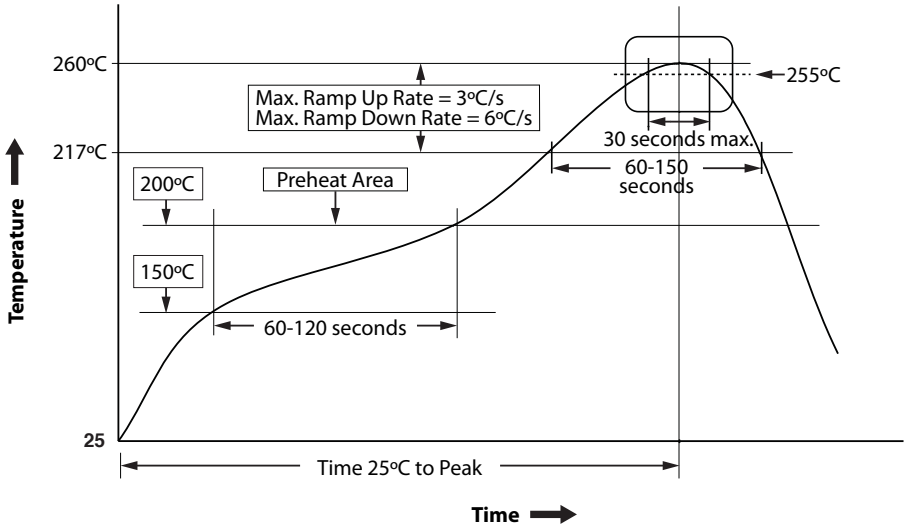
25 Suggested Pb-Free Reflow Profile

Notes:

1. Fully compatible with standard no-lead solder profile, 260 °C for 30 seconds max (3 cycles max).
2. Profile shown as example. Users are advised to develop their own board-level profile.
3. Suggested Pb-free reflow profile derived from IPC/JEDEC J-STD-020E.
4. Temperature tolerance: +0 °C, as measured at any point on the package or leads
5. MSL rating of 1 (SOT-23-3 only) compatible with J-STD-020 or equivalent.
6. MSL rating of 3 (LGA-4 and Leaded LGA-4) compatible with J-STD-020 or equivalent.
7. All temperatures refer to the center of the package, measured on the package body surface that is facing up during assembly reflow (e.g., live-bug). If parts are reflowed in other than the normal live bug assembly reflow orientation (i.e., dead-bug), Tp shall be within ± 2 °C of the live bug Tp and still meet the Tc requirements, otherwise, the profile shall be adjusted to achieve the latter. To accurately measure actual peak package body temperatures, refer to JEP140 for recommended thermocouple use.
8. Reflow profiles in this document are for classification/preconditioning and are not meant to specify board assembly profiles. Actual board assembly profiles should be developed based on specific process needs and board designs and should not exceed the parameters in this table.



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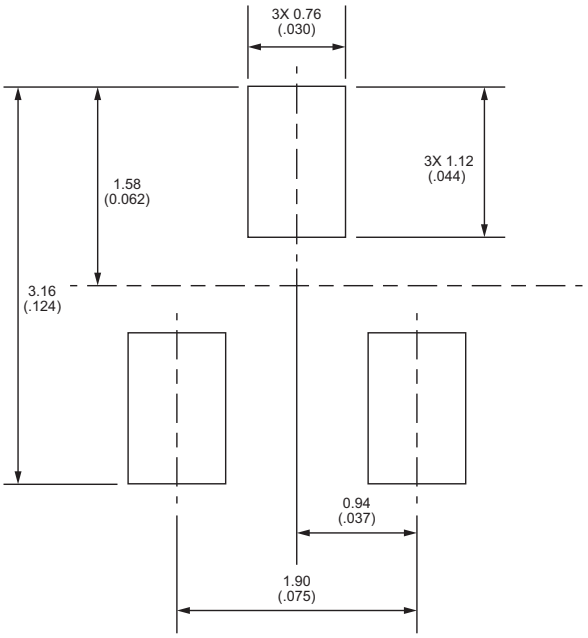
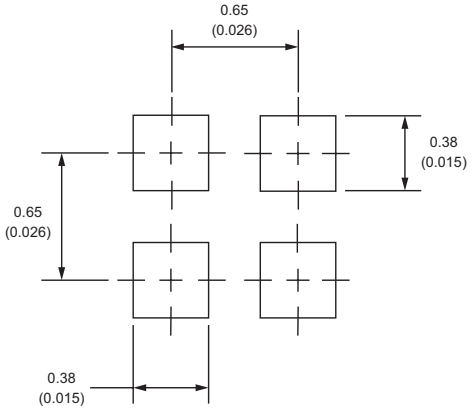
26 Suggested Solder Pad Layout

Dimensions in mm (inches)

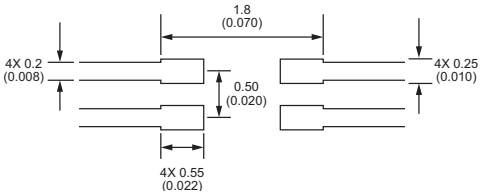
26.1 SOT -23-3 Solder Pad Layout



26.2 LGA-4 Solder Pad Layout



26.3 Leaded LGA-4 Solder Pad Layout



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