

# HONEYWELL Sensors



This product is RoHS compliant.

# Honeywell

## HIGH SENSITIVITY BIPOLAR LATCHING DIGITAL HALL-EFFECT SENSOR ICs

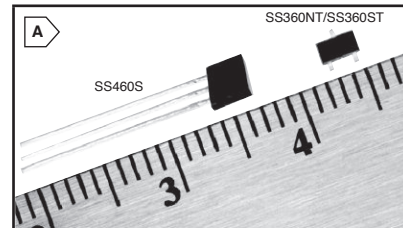
### Features:

- Fastest response time in its class
- High sensitivity
- Built-in reverse voltage
- No chopper stabilization
- Bipolar latching magnetics
- Durable design



MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (V)	Supply Current (max.)(V)	Operate/Release Point (mT)	Output Current (mA)	Price Each		
							1	10	50
785-SS360NT	SS360NT	A	3 to 24	6 to 8	-40 to 125	20	.72	.66	.60
785-SS360ST	SS360ST	A	3 to 24	6 to 8	-40 to 125	20	.72	.66	.60
785-SS460S	SS460S	A	3 to 24	6 to 8	-40 to 125	20	.72	.66	.60
785-SS413A	SS413A	-	3.8 to 30	10	14/-14	20	1.09	-	.99
785-SS491B	SS491B	-	4.5 to 10.5	8.7	6/-6	10	5.93	4.40	-
785-SS495A2	SS495A2	-	4.5 to 10.5	8.7	67/-67	10	2.38	2.00	1.89
785-SS495B	SS495B	-	4.5 to 10.5	8.7	67/-67	10	1.57	-	1.33
785-SS496B	SS496B	-	4.5 to 10.5	8.7	84/-84	10	2.79	2.15	1.93

For quantities greater than listed, call for quote.



## SERIES SL353: MICROPOWER OMNIPOLAR DIGITAL HALL- EFFECT SENSORS ICs

### Features:

- Lowest average current in its class
- Promotes energy efficiency
- Extends battery life
- Low supply voltage
- Reduces power consumption
- Reduces PC board space and parts count

\* Ultra low power sensing for battery-operated mobile applications

For quantities greater than listed, call for quote.

Surface Mount		Fig.	Supply Voltage (V)	Supply Current (max.)	Magnetic Range	Output Current	Price Each		
MOUSER STOCK NO.	Honeywell Part No.						1	10	50
785-SL353HT	SL353HT	B	2.2 to 5.5	0.33	2.2 to 5.5	5	.76	.67	.64
* 785-SL353LT	SL353LT	B	2.2 to 5.5	9	2.2 to 5.5	5	.76	.67	.64

## LINEAR HALL EFFECT SENSOR ICs AND PCB LEVEL POSITION SENSORS

The SS39ET Series Low-cost Linear Hall-effect sensors are small, versatile devices that are operated by the magnetic field from a permanent magnet or an electromagnet.

\* Noise Shielded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (V)	Supply Current (max.)	Magnetic Range	Output Current	Price Each		
							1	10	50
<b>Surface Mount</b>									
785-SS39ET	SS39ET	B	2.7 to 6.5 VDC	10mA	±650/±1000	1mA	.72	.66	.602
<b>PC Board</b>									
* 785-SS94A2	SS94A2	C	6.6 to 12.6	30mA	-50 to 50	1mA	25.72	24.67	21.01
785-SS94A1F	SS94A1F	C	6.6 to 12.6	30mA	-10 to 10	1mA	23.33	18.08	15.96
785-SS94A1	SS94A1	C	6.6 to 12.6	30mA	-50 to 50	1mA	20.05	16.43	14.52
785-91SS12-2	91SS12-2	C	8.0 to 16.0	19mA	-40 to 40	10mA	15.91	11.70	10.96

## Magnetic Position Sensors

The temperature compensated Hall effect sensor consists of a quad Hall sensing element in a square integrated circuit chip, which is then encapsulated in a glass-filled thermoset molding material. The small SOT89 style package surface mounts on PC boards and flexible circuits.

\* High Accuracy

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (Vdc)	Output Voltage (Vdc)	Operate/Release Point (mT)	Magnetic Actuation	Price Each		
							1	10	50
<b>Quick Connect Terminal</b>									
785-SS5S16	55SS16	D	4.5 to 9.0	0.4	40.0/5.7	Unipolar	13.55	12.62	12.26
<b>Surface Mount</b>									
785-SS549AT	SS549AT	E	3.8 to 30.0	0.4	39.0/23.5	Unipolar	1.82	1.73	1.65
785-SS543AT	SS543AT	E	3.8 to 30.0	0.4	18.0/7.5	Unipolar	.96	.91	.82
785-SS541AT	SS541AT	E	3.8 to 30.0	0.4	11.5/2.0	Unipolar	1.23	1.05	.924
785-SS511AT	SS511AT	E	3.8 to 30.0	0.4	6.0/-6.0	Bipolar	1.68	1.37	1.15
785-SS513AT	SS513AT	E	3.8 to 30.0	0.4	14.0/-14.0	Bipolar	1.89	1.82	1.72
785-SS59ET	SS59ET	E	2.7 to 6.5	0.95	-65.0 to 65.0	Ratiometric	2.40	1.92	1.75
785-SS311PT	SS311PT	B	2.7 to 7.0	--	14.0/3.0	Bipolar Latch	.76	.67	.643
785-SS341RT	SS341RT	B	3.0 to 24.0	--	13.5/12.0	Unipolar	1.03	.92	.877
785-SS343RT	SS343RT	B	3.0 to 24.0	--	19.5/18.0	Unipolar	.97	.86	.805
785-SS345PT	SS345PT	B	2.7 to 7.0	0.4	18.0/10.5	Unipolar	1.25	1.15	.898
785-SS349RT	SS349RT	B	3.0 to 24.0	--	41.0/31.0	Unipolar	.77	.71	.65
785-SS351AT	SS351AT	B	3.0 to 24.0	--	+/-8.5/-5.0	Omnipolar	.96	.87	.805
785-SS361RT	SS361RT	B	3.8 to 30.0	0.4	12.0/-12.0	Bipolar Latch	1.26	1.15	.90
785-SS495A-SP	SS495A-SP	B	4.5 to 10.5	0.2	-60 to -670	Ratiometric	3.14	2.85	2.59
<b>PC Board</b>									
785-2SS52M	2SS52M	F	3.8 to 30.0	0.4	2.5/0.5	Omnipolar	2.65	2.19	2.05
785-SS41	SS41	F	4.5 to 24.0	0.4	15.0/-14.0	Bipolar	.84	.75	.732
785-SS461C	SS461C	F	4.0 to 24.0	0.4	5.0/-5.0	Bipolar Latch	.85	.77	.71
785-SS411A	SS411A	F	3.8 to 30.0	0.4	6.0/-6.0	Bipolar	1.93	1.77	1.48
785-SS411P	SS411P	F	2.7 to 7.0	--	14.0/3.0	Bipolar Latch	.58	.54	.49
785-SS441A	SS441A	F	3.8 to 30.0	0.4	11.5/2.0	Unipolar	1.36	1.23	1.12
785-SS441R	SS441R	F	3.0 to 24.0	--	13.5/12.0	Unipolar	.87	.78	.723
785-SS443A	SS443A	F	3.8 to 30.0	0.4	18.0/7.5	Unipolar	2.28	1.41	1.27
785-SS443R	SS443R	F	3.0 to 24.0	--	39.0/23.5	Unipolar	.75	.69	.63
785-SS445P	SS445P	F	2.7 to 7.0	0.4	18.0/10.5	Unipolar	1.23	1.13	.88
785-SS449A	SS449A	F	3.8 to 30.0	0.4	39.0/23.5	Unipolar	1.04	.89	.86
785-SS449R	SS449R	F	3.0 to 24.0	--	41.0/31.0	Unipolar	.75	.69	.63
785-SS46	SS46	F	4.5 to 24.0	0.4	15.0/-15.0	Bipolar Latch	1.12	1.10	1.05
785-SS451A	SS451A	F	3.0 to 24.0	--	+/-8.5/-5.0	Omnipolar	.92	.84	.775
785-SS461A	SS461A	F	3.8 to 30.0	0.4	8.5/-8.5	Bipolar Latch	1.04	.99	.89
785-SS42R	SS42R	F	4.5 to 16.0	0.4	18.5/-18.5	Bipolar Latch	1.58	1.50	1.36
785-SS461R	SS461R	F	3.8 to 18.0	0.4	12.0/-12.0	Bipolar Latch	1.21	1.11	.84
785-SS466A	SS466A	F	3.8 to 30.0	0.4	18.0/-18.0	Bipolar Latch	1.21	1.08	.983
785-SS49	SS49	F	4.0 to 10.0	--	-40.0 to 40.0	Ratiometric	1.68	1.40	1.30
785-SS494B	SS494B	F	4.5 to 10.5	2 to .4	-37.5 to 37.5	Ratiometric	3.50	3.19	2.94
* 785-SS495A	SS495A	F	4.5 to 10.5	2 to .4	-60.0 to 60.0	Ratiometric	2.03	1.78	1.47
785-SS495A1	SS495A1	F	4.5 to 10.5	2 to .4	-60.0 to 60.0	Ratiometric	2.90	2.51	2.19
785-SS496A	SS496A	F	4.5 to 10.5	2 to .4	-75.0 to 75.0	Ratiometric	2.49	2.45	2.34
* 785-SS496A1	SS496A1	F	4.5 to 10.5	2 to .4	-75.0 to 75.0	Ratiometric	2.55	2.33	2.13
785-SS49E	SS49E	F	3.0 to 6.5	.95 to 1.05	-65.0 to 65.0	Ratiometric	2.00	1.35	1.10
785-SS49E-L	SS49E-L	F	3.0 to 6.5	1.05	-65 to -1000	Ratiometric	1.69	1.55	1.43

## PCB LEVEL POSITION SENSORS

The APS00B is a miniature surface mount sensor for linear, angular, or rotary displacement designed for magnetic saturating field sensing. This sensor is a cost-effective and space-efficient solution for high-volume OEM designs. The VF401 is a high performance, digital, 2-wire, MR sensor in a miniature, flat, TO-92-style plastic package with a current output, designed for sensing fine pitch ring magnets.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (V)	Operating Temp. (°C)	Magnetic Flux	Price Each		
						1	10	50
785-APS00B	APS00B	G	5	-40 to 150	No Limit	3.05	2.77	2.51
785-VF401	VF401	H	3.4	-40 to 150	--	4.24	3.85	3.50

