







Magnetic Sensor IC Product Line Card

Package → (actual size) Type ↓	SOT-23	SOT-89B	8 Pin SOIC	Flat TO-92	U-Pack	4-Pin SIP
						
mm [Inches]	2,9 x 2,8 x 1,45 [0.114 x 0.110 x 0.057]	4,49 x 4,16 x 1,37 [0.177 x 0.164 x 0.054]	4,9 x 5,6 x 1,37 [0.193 x 0.236 x 0.054]	4,06 x 3,0 x 1,57 [0.16 x 0.118 x 0.06]	4,52 x 4,52 x 1,57 [0.178 x 0.178 x 0.062]	5,08 x 3,55 x 1,55 [0.200 x 0.14 x 0.061]
Bipolar	SS30AT, SS311PT	SS50AT, SS511AT, SS513AT, SS51T		SS40A, SS40F, SS40G, SS41, SS41F, SS41G, SS411A, SS411P , SS413A		
Latch	SS360NT, SS360ST, SS361CT, SS361RT	SS566AT		SS46, SS460S , SS461A, SS461R, SS461C , SS466A		
Unipolar	SS341RT, SS343RT, SS349RT, SS345PT			SS441A, SS441R , SS443A, SS443R , SS445P , SS449A, SS449R		
Omnipolar	SS351AT, SL353HT, SL353LT			SS451A		
MR (Omnipolar)		SS552MT			2SS52M	
Linear	SS39ET	SS59ET		SS49E, SS49F, SS49G, SS491B, SS494B, SS495A, SS495A1, SS495A2, SS495B, SS496A, SS496A1, SS496B		
Advanced		VF526DT	APS00B	VF401		SS42R, SS421H, SS421L

New products represented in **bold**.

Magnetic Sensor Application Chart

Industry	Potential Applications	Products
Industrial	Current sensing Angular or linear displacement Motion control, proximity sensing, robotics Instrumentation, metering, flow meters, Motor or fan control, brushless motor commutation Battery-operated, mobile equipment such as door/lid closure detection in notebooks, scanners, hand-held industrial computers or instrumentation, mobile printer head position, trigger switch for hand tools, reed switch replacement in security systems, magnetic encoder for building access (array)	SS94 Series, SS490 Series SS441R, SS541RT, SS460S, SS461R, SS360NT/ST, SS361RT, APS00B SS451A, SS351AT, 2SS52M, SS552MT SS451A, SS351AT, SS360NT/ST, SS361CT*, VF401, SS490 Series SS460S, SS461R, SS360NT/ST, SS361RT, SS40G, SS40F, SS30AT, SS42R SL353HT, SL353LT
HVAC	Motor or fan control Valve position Gas/water consumption measurement in remote, battery-operated utility meters	SS460S, SS461R, SS360NT/ST, SS361RT, SS30AT, SS40A, SS40F, SS40G, SS42R APS00B, SS490 Series SL353HT, SL353LT
Medical	Drug carts, hospital beds, medical equipment Hand-held medical/dental equipment, battery-operated infusion/insulin pumps, wearable devices	SS341RT, SS351AT, APS00B, SS490 Series SL353HT, SL353LT
Transportation	Electronic power steering, stability control, wheel speed Power windows, power seats, remote mirrors Comfort and convenience motor control Speed sensing, tachometer E-bike throttle, off-road vehicle power management E-bikes motor control	SS411A, SS511AT, SS413A, SS460S, SS461R, SS360NT/ST, SS361RT, VF401 VF526DT, SS490 Series SS30AT, SS466A, SS566AT, SS460S, SS461R, SS360NT/ST, SS361RT SS413A, SS460S, SS461R, SS360NT/ST, SS361RT, SS411A, SS511AT, VF401 SS39ET, SS49E, SS49F, SS49G, SS59ET, SS490 Series SS40A, SS40F, SS30AT, SS360NT/ST, SS361RT
Commercial/ Consumer	Flow meters, appliance/white goods motor control, fans Door/lid detection in appliances, white goods Speed sensing in fitness equipment Power switch or open-close detection in small battery-operated appliances (vacuum cleaner, fan, etc.)	SS40F, SS40G, SS30AT, SS360NT/ST, SS361CT SS441R, SS341RT, SS451A, SS351AT SS30AT, SS351AT, SS441R, SS360NT/ST, SS361RT SL353HT, SL353LT

Magnetic Sensor IC Cataloging System

Prefixes	Package Styles	Magnetic Types	Relative Oper. or Gauss Levels	Electrical/Magnetic Options	Special Features	Suffixes	Package Options
SS = Commercial Solid State SL = Commercial Solid State VF = Vehicle Solid State	3 = SOT-23 4 = Flat TO-92 5 = SOT-89B 6 = SO-8	0 or 1 = Bipolar 4 = Unipolar 5 = Omnipolar 6 = Latch 9 = Linear	0-3 = Low 4-6 = Medium 7-9 = High blank = special (enhance IC, etc.)	A = Hi-perf, standard open collector out (digital) or sink-source (linear) B = Shinetsu overmold E = Enhanced performance IC F = Room (25 °C) test only, packaged in China G = 125 °C test, packaged in China M = Magnetoresistive IC P = Built-in pull-up resistor R = Reduced IC size	Blank = Standard 1 - 9 = Specials	- = Suffix separator (2SS & SS4) N = Activated (output LOW) with North Pole S = Activated (output LOW) with South Pole	Blank = Standard bulk pack F or W = Formed leads, in bulk L = Extra long lead length P = Pocket tape 2SS/SS4 surface mount (formed leads) R = Reduced lead length S = Surface mount (cut & formed leads) T = Ammpack tape (2SS & SS4) U = Tape & reel (SS3 & SS5) 2 = Formed leads, 0.100 in spacing 3 = Straight leads, 0.050 in spacing
Example	Product description based on above chart						

SS461A-T2 Low-gauss latch in SS4 TO-92 package, standard open collector output, high performance, on ammpack tape, with formed leads on 0.100 in centers
SS49E-L High-gauss linear Hall in SS4 TO-92 package, with enhanced performance IC, supplied in bulk with extra long leads

Note: Not all lead or packaging combinations are possible. Contact Honeywell Customer Service 1-800-537-6945 for assistance.

Sensing and Control

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