



SS340RT, SS440R Series



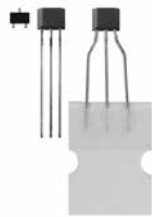
SS345PT, SS445P



SS351AT, SS451A, SS551AT

Hall-effect sensor ICs - digital

Description	unipolar Hall-effect digital sensor IC	unipolar Hall-effect digital sensor IC	omnipolar Hall-effect digital sensor IC
Magnetic actuation type	unipolar: SS340RT: North pole unipolar: SS440R: South pole	unipolar	omnipolar
Package style (packaging)	SS340RT: SOT-23 (pocket tape and reel) SS440R: flat TO-92-style, standard straight leads (bulk)	SS345PT: SOT-23 (pocket tape and reel) SS445P: flat TO-92-style, standard straight leads (bulk)	SS351AT: SOT-23 (pocket tape and reel) SS451A: flat TO-92-style, standard straight leads (bulk) SS551AT: SOT-89B (pocket tape and reel)
Supply voltage range	3 Vdc to 24 Vdc, except SS340RT >125 °C [257 °F]: 3 Vdc to 12 Vdc	2.7 Vdc to 7.0 Vdc	3 Vdc to 24 Vdc, except SS351AT >125 °C [257 °F]: 3 Vdc to 12 Vdc
Supply current	8 mA	14 mA	9 mA
Output type	digital sinking	digital sinking	digital sinking
Operating temp. range	SS340RT (3 Vdc to 24 Vdc): -40 °C to 125 °C [-40 °F to 257 °F] SS340RT (3 Vdc to 12 Vdc): -40°C to 150 °C [-40°C to 302 °F] SS440R (3 Vdc to 24 Vdc): -40 °C to 150 °C [-40 °F to 302 °F]	-40 °C to 150 °C [-40 °F to 302 °F]	SS351AT (3 Vdc to 24 Vdc): -40 °C to 125 °C [-40 °F to 257 °F] SS351AT (3 Vdc to 12 Vdc): -40 °C to 150 °C [-40 °C to 302 °F] SS451A, SS551AT (3 Vdc to 24 Vdc): -40 °C to 150 °C [-40 °F to 302 °F]



SS360NT, SS360ST, SS360ST-10K, SS460S, SS460S-T2



SS360PT, SS460P, SS460P-T2



SS361CT, SS461C

Hall-effect sensor ICs - digital

Description	high sensitivity latching Hall-effect digital sensor IC	high sensitivity latching Hall-effect digital sensor IC with built-in pull-up resistor	high sensitivity latching Hall-effect digital sensor IC
Magnetic actuation type	latching	latching	latching
Package style (packaging)	SS360NT, SS360ST, SS360ST-10K: SOT-23 (pocket tape and reel) SS460S: flat TO-92-style, standard straight leads (bulk) SS460S-T2: flat TO-92-style, formed leads; (ammopack tape-in-box)	SS360PT: SOT-23 (pocket tape and reel) SS460P: flat TO-92-style, standard straight leads (bulk) SS460P-T2: flat TO-92-style, formed leads (ammopack tape-in-box)	SS361CT: SOT-23 (pocket tape and reel) SS461C: flat TO-92-style, standard straight leads (bulk)
Supply voltage range	3 Vdc to 24 Vdc	3 Vdc to 24 Vdc	4 Vdc to 24 Vdc
Supply current	8 mA max.	10 mA max.	6 mA max.
Output type	digital	digital	digital sinking
Operating temp. range	-40 °C to 125 °C [-40 °F to 257 °F]	-40 °C to 125 °C [-40 °F to 257 °F]	-40 °C to 125 °C [-40 °F to 257 °F]

Magnetic Sensors Line Guide



Hall-effect sensor ICs - digital

SS361RT, SS461R

SS400, SS500 Series

Description	latching Hall-effect digital sensor IC	SS400: unipolar/bipolar/latching Hall-effect digital sensor IC SS500: unipolar/bipolar/latching Hall-effect digital sensor IC
Magnetic actuation type	latching	unipolar, bipolar, latching
Package style (packaging)	SS361RT: SOT-23 (pocket tape and reel) SS461R: flat TO-92-style, standard straight leads (bulk)	SS400: flat TO-92-style, standard straight leads (bulk) SS500: SOT-89B (pocket tape and reel)
Supply voltage range	3 Vdc to 18 Vdc, except SS361RT >125 °C [257 °F]: 3 Vdc to 12 Vdc	3.8 Vdc to 30 Vdc (inclusive)
Supply current	8 mA	SS400: 10 mA SS500: 8.7 mA at 5 Vdc
Output type	digital sinking	digital sinking
Operating temp. range	SS361RT (3 V to 12 V), SS461R: 40 °C to 150 °C [-40 °C to 302 °C] SS361RT (3 V to 18 V): -40 °C to 125 °C [-40 °F to 257 °F]	-40 °C to 150 °C [-40 °F to 302 °F]



Hall-effect sensor ICs - digital

SS41, SS51T

SS42R

SS46

VF526DT

Description	bipolar Hall-effect digital sensor IC	latching Hall-effect digital sensor IC with dual active high/active low complementary outputs	latching Hall-effect digital sensor IC	latching dual Hall-effect digital sensor IC with speed and direction outputs
Magnetic actuation type	bipolar	latching	latching	latching
Package style (packaging)	SS41: flat TO-92-style, standard straight leads (bulk) SS51T: SOT-89B (pocket tape and reel)	4-pin SIP	flat TO-92-style, standard straight leads (bulk)	SOT-89B (pocket tape and reel)
Supply voltage range	4.5 Vdc to 24 Vdc	4.5 Vdc to 16 Vdc	4.5 Vdc to 24 Vdc	3.4 Vdc to 24 Vdc
Supply current	15 mA max.	11 mA max.	10 mA max.	OFF: 12 mA max. ON: 14 mA max.
Output type	digital sinking	digital sinking or sourcing	digital sinking	digital voltage, dual open collector sinking
Operating temp. range	-40 °C to 150 °C [-40 °F to 302 °F]	0 °C to 100 °C [32 °F to 212 °F]	-40 °C to 150 °C [-40 °F to 302 °F]	-40 °C to 125 °C [-40 °F to 257 °F]