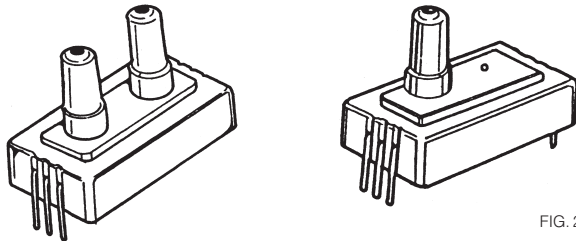


140PC AND 160PC SERIES PRESSURE SENSORS

140PC series sensors are for use in applications where high accuracy is desired. Supply current is 20mA max. Full-scale output: 5V. Shock specs meet MIL-STD-202 Method 213. Temperature range: -40°C to 85°C. 160PC series pressure sensors are for use in low pressure measurement applications. Recommended supply voltage 8VDC. Input current: 8mA. Port 1 absent for gage units. Differential styles have two port that allow connection to two pressure sources, and differential style functions same as gage when Port 1 is left open to ambient temperatures.

Cat. No.	Pressure Range	Measurement	Net Price
142PC01D	0-1 PSI	Differential	\$99.62
142PC01G	0-1 PSI	Gage	99.62
142PC05D	0-5 PSI	Differential	91.22
142PC05G	0-5 PSI	Gage	114.03
142PC15D	0-15 PSI	Differential	114.03
142PC15G	0-15 PSI	Gage	117.45
142PC15A	0-15 PSI	Absolute	99.62
142PC30D	0-30 PSI	Differential	114.03
142PC30G	0-30 PSI	Gage	114.03
142PC30A	0-30 PSI	Absolute	124.53
143PC03D	±3 PSI	Differential	91.22
162PC01D	0-27.68" H ₂ O	Differential	158.56
163PC01D36	-5+5" H ₂ O	Differential	126.81
164PC01D37	0-10" H ₂ O	Differential	126.81
163PC01D75	-2.5-2.5" H ₂ O	Differential	126.81
164PC01D76	0-5" H ₂ O	Differential	126.81

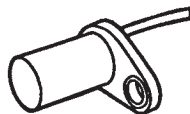


180PC SERIES MINIATURE PRESSURE SENSORS

Solid-state sensors are temperature compensated and amplified. Analog output voltage signal is linearly proportional to input pressure. Gage styles have one port with vent hole at the Port 1 location. Differential styles have two ports that allow connection to two pressure sources, and differential style functions same as gage when Port 1 is left open to ambient temperatures. Full-scale output: 5V. Recommended supply voltage: 8VDC. Dimensions: 1.2W x 0.6"W. Housing mount versions available.

TERMINAL MOUNT

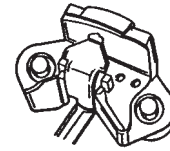
Cat. No.	Fig.	Pressure Range	Measurement	Net Price
184PC05GT	2	0-5	Vacuum Gage	\$122.69
184PC15GT	2	0-15	Vacuum Gage	122.69
185PC05DT	1	0-5	Differential	98.14
185PC15DT	1	0-15	Differential	98.14
185PC30DT	1	0-30	Differential	122.69
185PC15AT	2	0-15	Absolute	131.53



SENSORS GT1 HALL-EFFECT GEAR-TOOTH SENSOR

Must consider in combination for optimal performance: target material, geometry and speed. Sensor/target gap. Ambient temperature. Magnetic material in close proximity. Type 1GT101DC gear-tooth sensor uses a magnetically-biased. Hall-effect integrated circuit to accurately sense movement of ferrous metal targets. Units will function from a 4.5 to 24VDC power supply and have reverse polarity protection. Dimensions: 0.70W x 1.43"D.

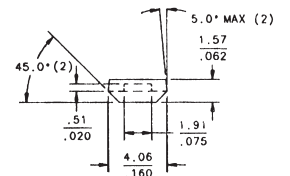
Cat. No.	Net Price
1GT101DC	\$25.30



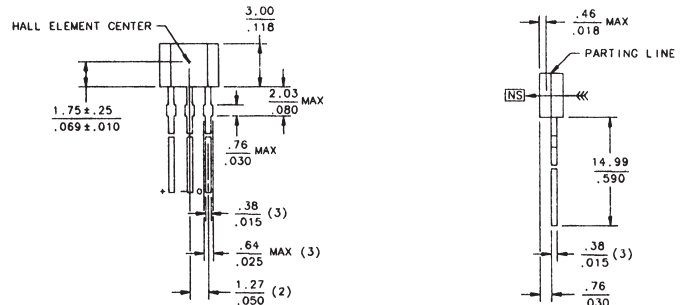
TYPE 2AV54 HALL-EFFECT POSITION SENSOR

Specifically designed to translate the relative position of a ferrous metal actuator into a digital electronic signal. Current sinking output, operating temperature range: -40°C to +150°C. Dimensions: 0.68H x 0.68W x 1.29"D.

Cat. No.	Supply Voltage	Supply Current	Current per Output	Net Price
2AV54	4.5-24VDC	22mA	40mA	\$12.91



MOUNTING DIMENSIONS
(FOR REFERENCE ONLY)



MICRO SWITCH DIGITAL POSITION SENSORS SS400 SERIES

The SS400 Series position sensors have a thermally balanced integrated circuit over full temperature range. The negative compensation slope is optimized to match the negative temperature coefficient of lower cost magnets. Band gap regulation provides extremely stable operation over 3.8 to 24VDC supply voltage range. Units are capable of continuous 20mA sinking output, and may be cycled as high as 50mA maximum. The Quad-Hall design virtually eliminates mechanical stress effect.

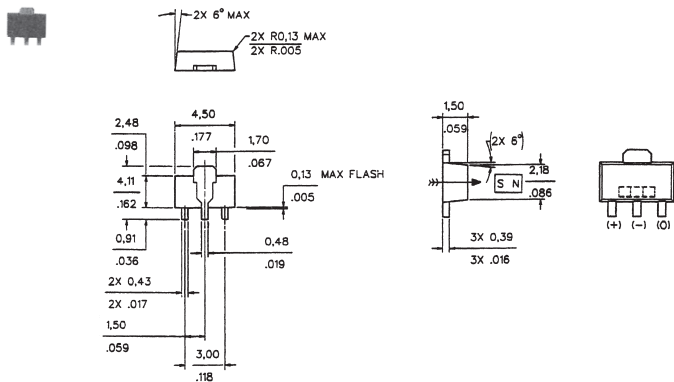
ELECTRICAL SPECIFICATIONS:

Supply Voltage VDC:	3.8-24
Supply Current (max.):	10mA
Output Type:	Sink
Output Voltage (max.):	.40V
Output Current (max.):	20mA
Output Leakage Current, max.:	10µA
OUTPUT SWITCHING TIME:	
Rise (10-90%):	.05µS
Fall (90-10%):	.15µS

Cat. No.	Magnetic Type	Magnetic Characteristics			Net Price
		Max. Op. Gauss	Min. Rel. Gauss	Min. Diff. Gauss	

DIGITAL POSITION SENSORS @ 25°C

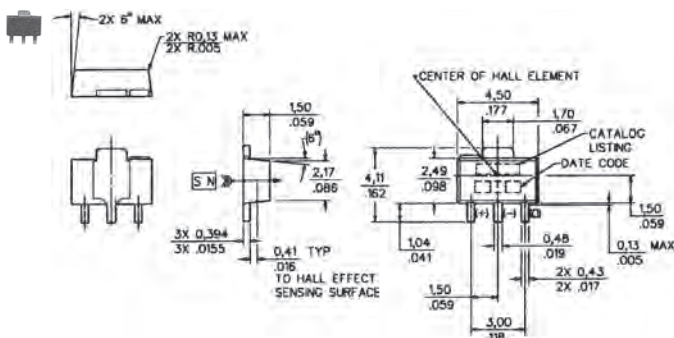
SS411A	Bipolar	60	-60	15	\$1.95
SS413A	Bipolar	140	-140	20	1.74
SS441A	Unipolar	115	20	20	1.95
SS443A	Unipolar	180	75	25	1.63
SS449A	Unipolar	380	245	30	1.63
SS461A	Latching	85	-85	50	1.95
SS466A	Latching	180	-180	200	1.69



SS1T SERIES SOLID STATE SENSORS DIGITAL POSITION SENSORS

FEATURES: Small-size SOT89 style package (.177" x .136" x 0.59") surface mounts on PC boards and flexible circuits. Reverse polarity protection. Current sinking output. Sensitive magnetic characteristics. Compatible with pick-and-place equipment for automated assembly operations. Operating speed: 0 to over 100 kHz.

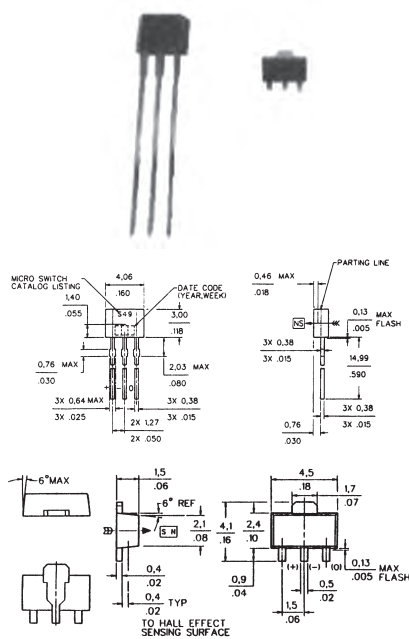
Cat. No.	Supply Voltage		Output Voltage	Sinking Output	Net Price
	VDC	mA			
DIGITAL POSITION SENSORS					
SS1T	4.5 to 24	4 typ., 8.7 max.	0.15 typ., 0.40 max.	20 max.	\$1.55



SS50 SERIES SOLID STATE SENSORS SURFACE MOUNT DIGITAL 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. The integrated circuit is thermally balanced for predictable performance over the full temperature range of -40°C to +125°C. Built-in temperature compensation has negative slope (operate and release points decrease as temperature increases). This slope is optimized to match the negative temperature coefficient of low cost magnets, to track their performance over temperature. Band gap regulation provides extremely stable operation over the full supply voltage range of 3.8 to 30VDC. SS100 sensors are capable of continuous 20mA sinking output, and can withstand temporary current as high as 50mA absolute maximum. They can use existing power supply sources in most applications, and can be directly interfaced with many electronic components without buffering or compensation circuitry. **FEATURES;** Super high sensitivity available. Symmetry of operate/release points about zero gauss (bipolar/latching). Low current consumption (7mA typical @ 5V, 25, deg>C). Supply voltage: 3.8 to 30 VDC. Supply current (max.): 10mA, Output type: sink. Output voltage (max.): .40V. Output current (max.): 20 mA. Leakage current (max.): 10µA.

Cat. No.	Magnetic Type	Magnetic Characteristics			Net Price
		Max. OP Gauss	Min. Rel. Gauss	Min. Diff. Gauss	
DIGITAL POSITION SENSORS @ 25°C					
SS511AT	Bipolar	60	-60	15	\$2.06
SS543AT	Unipolar	180	75	25	1.79
SS549AT	Unipolar	390	235	30	1.79
SS561AT	Latching	85	-85	50	2.06
SS566AT	Latching	180	-180	200	1.85



MICRO SWITCH SS49/SS19 ANALOG POSITION SENSORS

SS49/SS19 Analog Position Sensors require a 4 to 10VDC, low supply current capability 4mA Typical for battery operation. The sourcing ratiometric output has high current capability—10mA continuous, 20mA max. with linear output voltage over a wide magnetic flux range. Housed in a very small, industry accepted package they respond to either North or South pole magnets.

Cat. No.	Supply		Output		Sensitivity§ mV/gauss	Net Price
	VDC	mA	Type	Volts*		
ANALOG POSITION SENSORS						
SS49	4-10	4	Sourcing	1.75-2.25	0.6-1.25	\$1.48

* Output Voltage @ 0 Gauss @ 5V, 25°C.
§ Sensitivity is measured between -400 and +400 gauss.
† Surface Mount SOT-23 case.

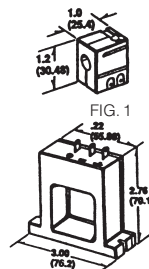


FIG. 2

CSD SERIES DIGITAL OUTPUT CURRENT SENSORS

CSD series solid-state sensors detect absence/presence of current with digital current sink output. Response time: 100µsec. Output voltage: 0.4VAC or DC. Changes from Vs to 0.4V at operating current. Output current: 20mA, except type CSDB1CC: 100mA. NOTE: Thru-hole design does not require electrical connection to sensed current. Max. Sensed current is only limited by the conductor size.

Cat. No.	Fig.	Supply Voltage	Operating Current (max)*	Net Price
CSDA1BA	1	6 to 16VDC	0.88A-Turns	\$15.60
CSDA1BC	1	6 to 16VDC	6.50A-Turns	16.39
CSDB1CC	2	8 to 16VDC	6.50A-Turns	78.07
CSDC1BA	1	5±0.2VDC	0.88A-Turns	17.76
CSDA1AA	1	6 to 16VDC	0.88A-Turns	17.55
CSDC1DA	1	5±0.2VDC	0.88A-Turns	22.51
CSDA1DA	1	6 to 16VDC	0.88A-Turns	18.13

*At +25°C.