

Honeywell

Humidity Sensor

* Web Code: WEG

- Linear volt. output vs %RH
- Op. temp.: -40°C to 85°C
- Accuracy (best fit straight line): ±3.5% RH
- Direct input to a controller or other device is made possible by this sensor's linear voltage output
- 3-pin SIP
- High accuracy
- Current supply: 500µA max.
- Designed specifically for high volume OEM
- Volt. supply: 4 to 5.8VDC

Part No.	Mfr. Part No.	Description	1	5	25
1860248	HIH-4000-003	0.10" lead pitch SIP w/ calibration & data printout	\$26.95	\$22.95	\$21.95

AVAGO Ambient Light Optical Sensor

A low-cost analog output ambient light photo sensor in a miniature chip LED lead-free surface mount package. It has a spectrally suited phototransistor, which peaks in human luminosity curve.

* Web Code: ZZZ

- Supply voltage: 2.4V to 5.5V
- Oper. temp.: -40°C to 85°C
- Light current ratio: 1.2
- Fall time: 0.8 ms
- Rise time: 0.95 ms
- Dark current: 50mA

Part No.	Product No.	1	10	50
1548511	APDS-9002-021	\$.95	\$.89	\$.79

Flex Sensor

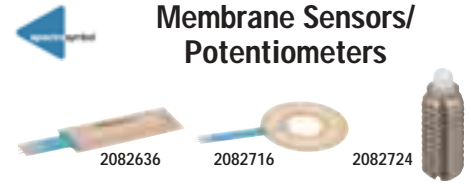


- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Length: 4.5"
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Res.	1	10
150551	Flex sensor	10kΩ	\$12.95	\$11.49

Enter web codes online for additional product listings. Look for the web code box on the home page.

Membrane Sensors/Potentiometers



Membrane potentiometers are resistive elements or CARBON position feedback sensors with a sealed encasement and a non-conductive simple wiper assembly that connects the top and bottom circuit. By pressing the wiper down on the top circuit to close the connection with the bottom circuit, the linear sensor produces the desired electrical output. The membrane potentiometer can also be actuated through a manual control. Typical applications are: piston driven motion sensor tracking on chairs or seats, hydraulic motion/tilts, robotics, door & window sensors, medical hand instruments and finger actuated music.

- Thinnest linear stroke sensor: <0.5mmH
- Sealed at IP65
- Ideal for low form factor applications
- Best priced linear stroke sensor on the market
- Simple application

Part No.	Product No.	Description	1	10
2082636	SP7182	50mm	\$12.95	\$11.49
2082652	SP7183	100mm	14.95	13.49
2082679	SP7184	200mm	17.95	15.95
2082708	SP7186	500mm	25.95	23.49
2082716	SP7186	Rotary	14.95	13.49
2082724	WP7688	Wiper	3.49	3.19

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654: Transmit/Receive Set • Capacitance: 2000pF ±30%
 • Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
 • Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

* Web Code: CAU

139492: Transmit/Receive Set • Capacitance: 2000pF ±20%
 • Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
 • Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
136654	40TR16F	0.47" H x 0.62" Dia.	0.39"	\$7.95	\$6.95	\$5.95
139492	40TR12B	0.30" H x 0.43" Dia.	0.28"	7.95	6.95	5.95

KOBITONE

Earphones

* Web Code: EHS

Part No.	Manufacturer	Product No.	Fig.	Type	Impedance (Ω)	Plug	Cord Length (ft.)	Color	Pricing		
									1	10	100
2098460	Kobitone	25DE035-ROX	3	Dynamic	8 ±20%	3.5mm	3	Gray	\$1.75	\$1.49	\$1.25
2098443	Kobitone	25DE024-ROX	3	Dynamic	8 ±20%	2.5mm	6	Gray	1.95	1.75	1.49
2098451	Kobitone	25DE034-ROX	3	Dynamic	8 ±20%	3.5mm	6	Gray	1.95	1.75	1.49
2098427	Kobitone	25CR035-ROX	1	Ceramic	20M min.	3.5mm	3	Tan	1.95	1.75	1.49
2098435	Kobitone	25CR060-ROX	2	Ceramic	20M min.	Tinned	3	Tan	2.49	2.25	1.95



Fig. 1

Fig. 2

Fig. 3

NEW MARKED IN PINK

JAMECO ValuePro

Magnetic Transducers (Speakers)

* Web Code: JMT

- Applied voltage: 1/2 duty, square wave

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
										1	10	100
207918	ValuePro	DB105GFNP	1	1.5/30	1 - 2	2048	16	75	.22" x .47"	\$.99	\$.85	\$.69
1537408	Various	QMB-01	3	1.5/15	—	2048	30	80	.53" x .63"	.99	.85	.69
106500	ValuePro	SBT-1205	2	5/40	3 - 8	2400	38	85	.40" x .48"	1.29	1.15	.99
138740	ValuePro	DBX05-PN	2	5/40	3 - 8	2400	47	85	.35" x .46"	1.29	1.15	.99
138722	ValuePro	DB111A-PN	2	1.5/10	1 - 2	2048	50	80	.32" x .46"	1.29	1.15	.99
673871	ValuePro	PRT-1205	2	5/40	3 - 8	2400	470	90	.35" x .46"	.79	.65	.49
673774	ValuePro	SBT-1612	3	12/40	6 - 18	2048	200	85	.53" x .62"	.99	.85	.69

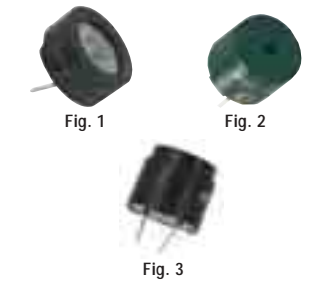


Fig. 1

Fig. 2

Fig. 3

Piezo Transducers (Speakers)

* Web Code: JPT

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
1956784	Velleman	TV4	1	1.5Vp-p	1.5mA	4kHz	75	14mm x 50mm	\$2.95	\$2.59	\$2.35
1956776	Velleman	TV1	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	1.95	1.75	1.59
2098540	Kobitone	PB220-ROX	3	3Vp-p	3mA	2kHz	70	26.5mm x 22mm	1.09	.95	.79
2098523	Kobitone	PB140-ROX	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.29	1.15	.99
2098558	Kobitone	PB160-ROX	5	9Vp-p	7mA	4kHz	80	4mm x 16.5mm	1.19	1.09	.89
2098531	Kobitone	PB102-ROX	6	10Vp-p	5mA	3.2kHz	80	3.2mm x 10mm	1.29	1.15	.99
2099702	Kobitone	256-PB315*	7	10Vp-p	7mA	4kHz	82	7.6 mm x 17mm	1.29	1.15	.99
2099711	Kobitone	256-PB012*	2	10Vp-p	8mA	6kHz	88	4mm x 24mm	1.29	1.15	.99
2099729	Kobitone	256-PB015*	3	10Vp-p	9mA	5kHz	80	4mm x 16.5mm	1.29	1.15	.99
2098566	Kobitone	AZ-3025E-W-LF	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	13mm x 30mm	1.49	1.25	.95
336314	ValuePro	PT-2038FW	8	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.49	1.25	.95
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	24mm x 6mm	1.49	1.25	.95



Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

NEW MARKED IN PINK

* Requires external drive

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Electromech