



ALPS

Amphenol
Advanced Sensors

AVX
A KYOCERA GROUP COMPANY

VISHAY.

BOGEN



Panasonic

FN 飞恩微电子有限公司
FINE MEMS FineMEMS Inc.



Ceramic Transducer Design Co., Ltd.


Consensic

 **MERIT SENSOR™**

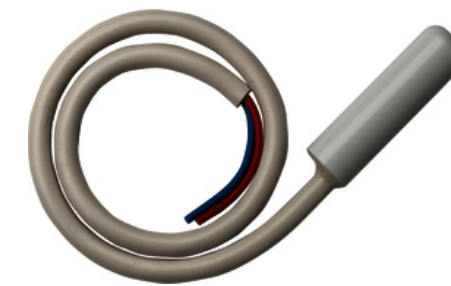
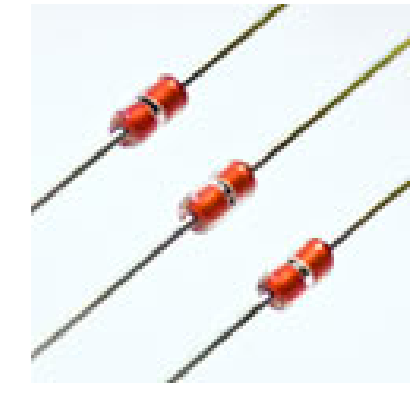
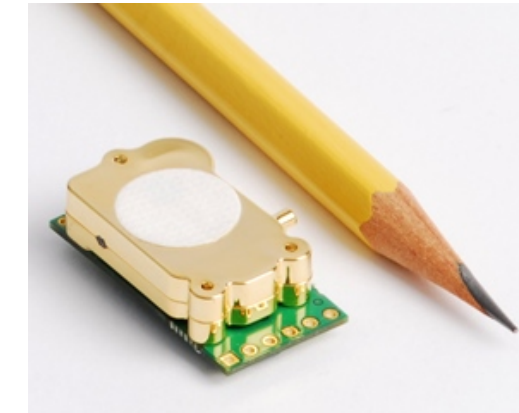
RC
RC MICRO

SU PROYECTO. NUESTRA PRIORIDAD.

SENSORES

RC Microelectrónica dispone de un amplio catálogo de Sensores para distintas aplicaciones:

- Descargadores de Gas.
- Sensores de CO2 (dióxido de carbono).
- Sensores de Corriente .
- Sensores de Humedad.
- Sensores de Luminosidad
- Sensores de Partículas de Polvo.
- Sensores de Posición.
- Sensores de Movimiento (PIR).
- Sensores de Presión.
- Sensores de Temperatura NTC' s, PTC' s.
- Sensores de Ultrasonidos.
- Sensores UV
- Sensores Magnéticos.

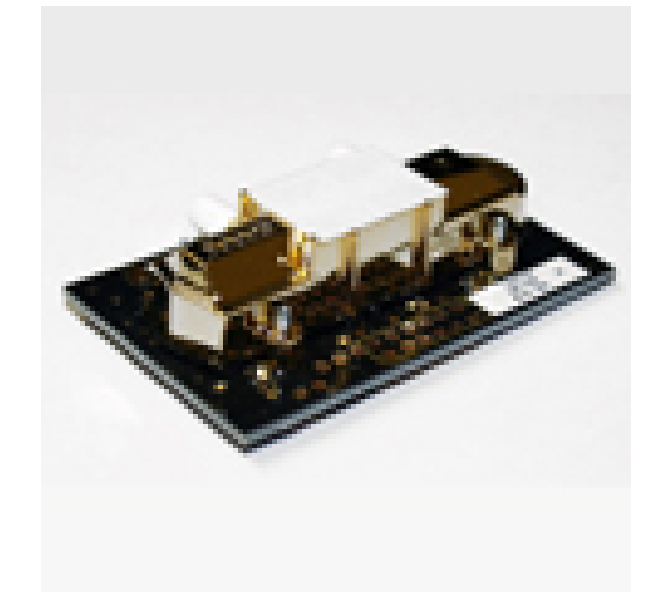




APLICACIONES

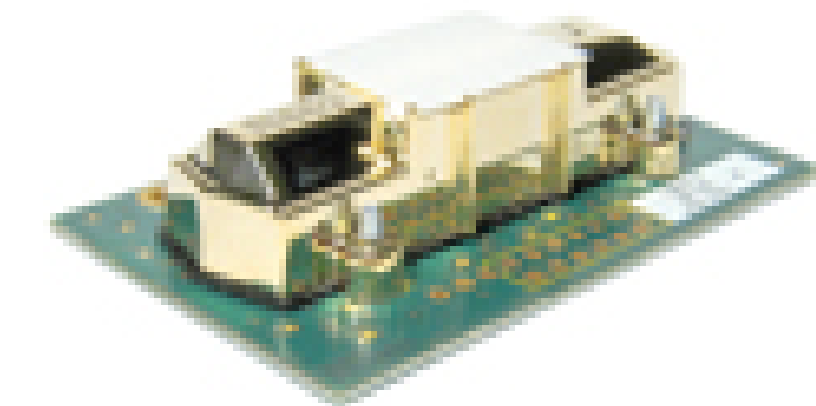
- Cable Modem
- Consumer electronics
- Ethernet port
- Industrial equipment
- Power system
- xDSL (x Digital Subscriber Line)

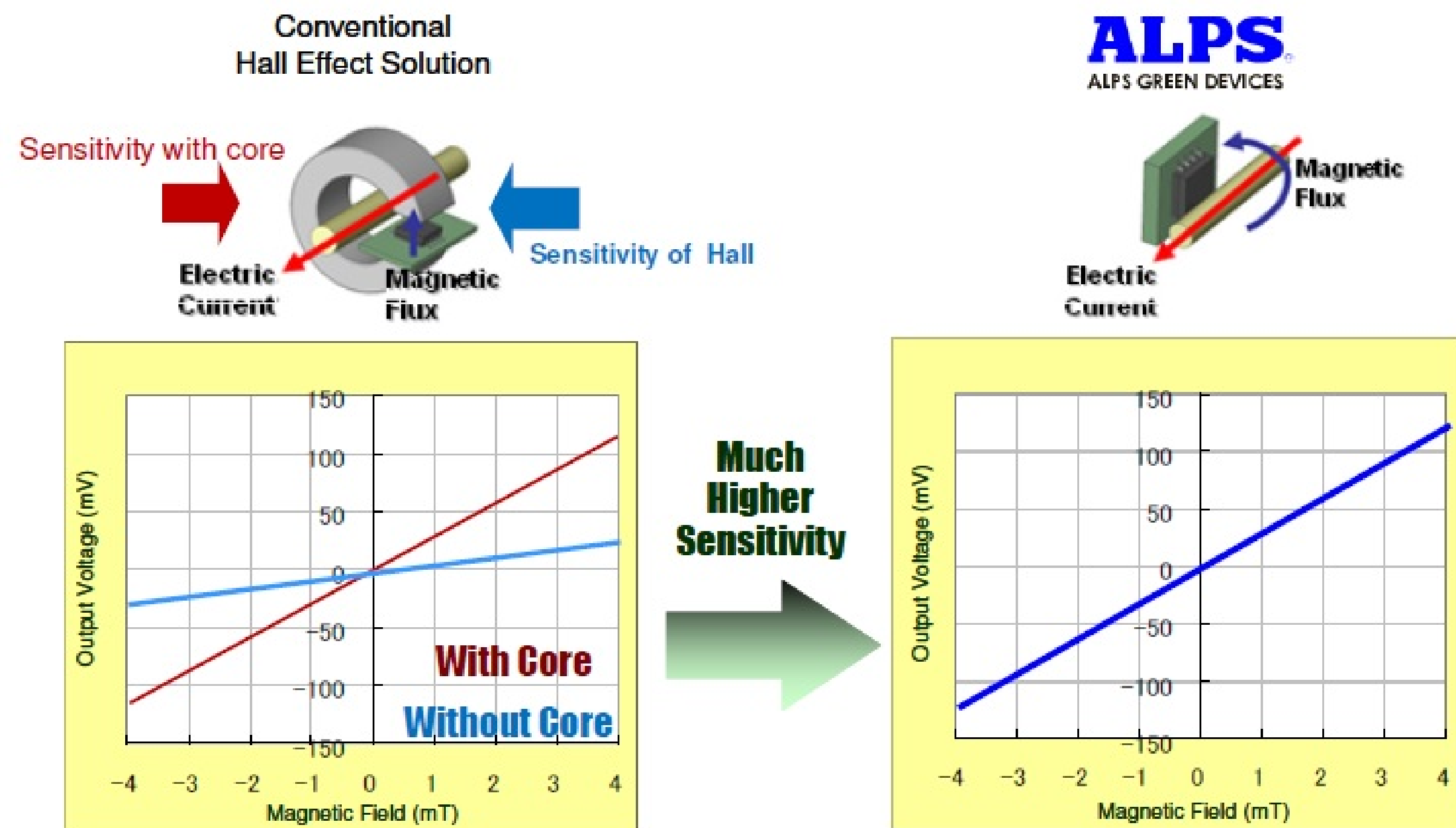




APLICACIONES

- Air cleaner, Air purifier, Air conditioner
- Air Purifiers
- Co2 HVAC transmitters
- Indoor growing (Horticulture)
- Handheld meters
- Home monitoring



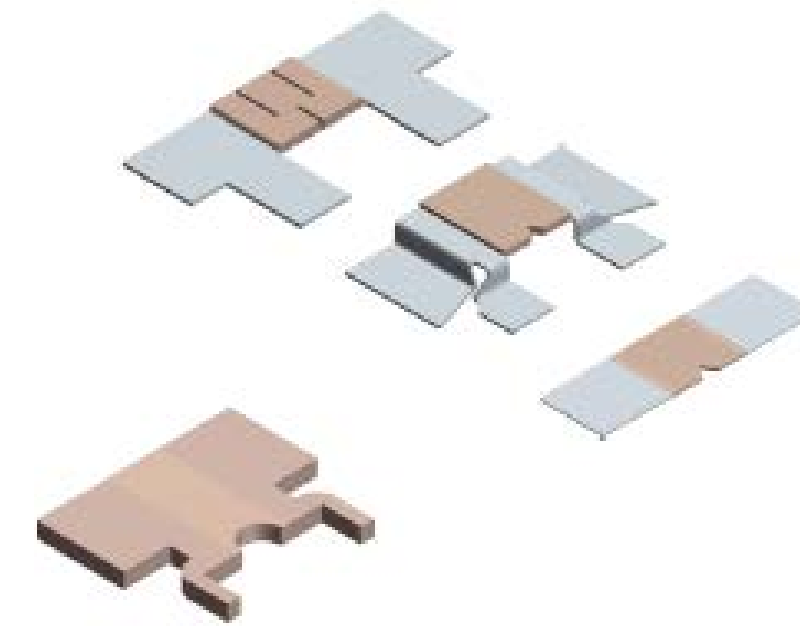


APLICACIONES

- Motor drivers and general-purpose inverters
- Power-conditioning systems
- Server power supplies
- Packaged air-conditioning units
- NC machine tools and other industrial

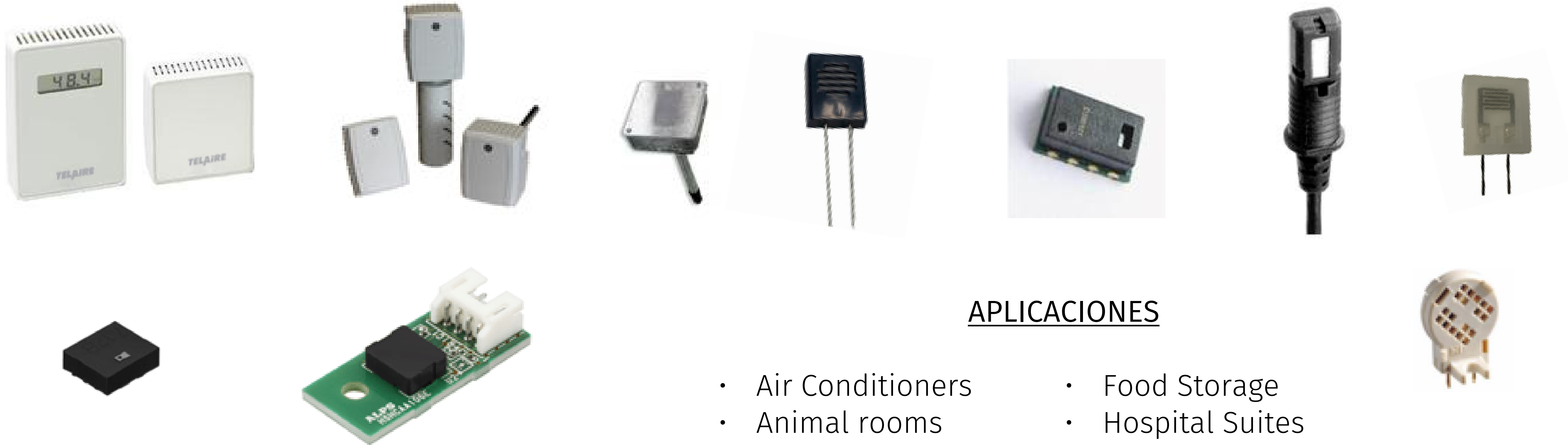


- WSMS SHUNT Resistor Electrical Characteristics
- Resistance range $50 \mu\Omega$ - $500 \mu\Omega$
- Very low inductance ($< 0.5 \text{ nH}$)
- Low thermal EMF ($< 3 \mu\text{V}/^\circ\text{C}$)
- Power consumption: 3 Watt
- Low TCR
- $\pm 325 \text{ ppm}/^\circ\text{C}$ for $100 \mu\Omega$
- $\pm 225 \text{ ppm}/^\circ\text{C}$ for $160 \mu\Omega$, $200 \mu\Omega$, and $250 \mu\Omega$
- $\pm 175 \text{ ppm}/^\circ\text{C}$ for $300 \mu\Omega$ to $500 \mu\Omega$



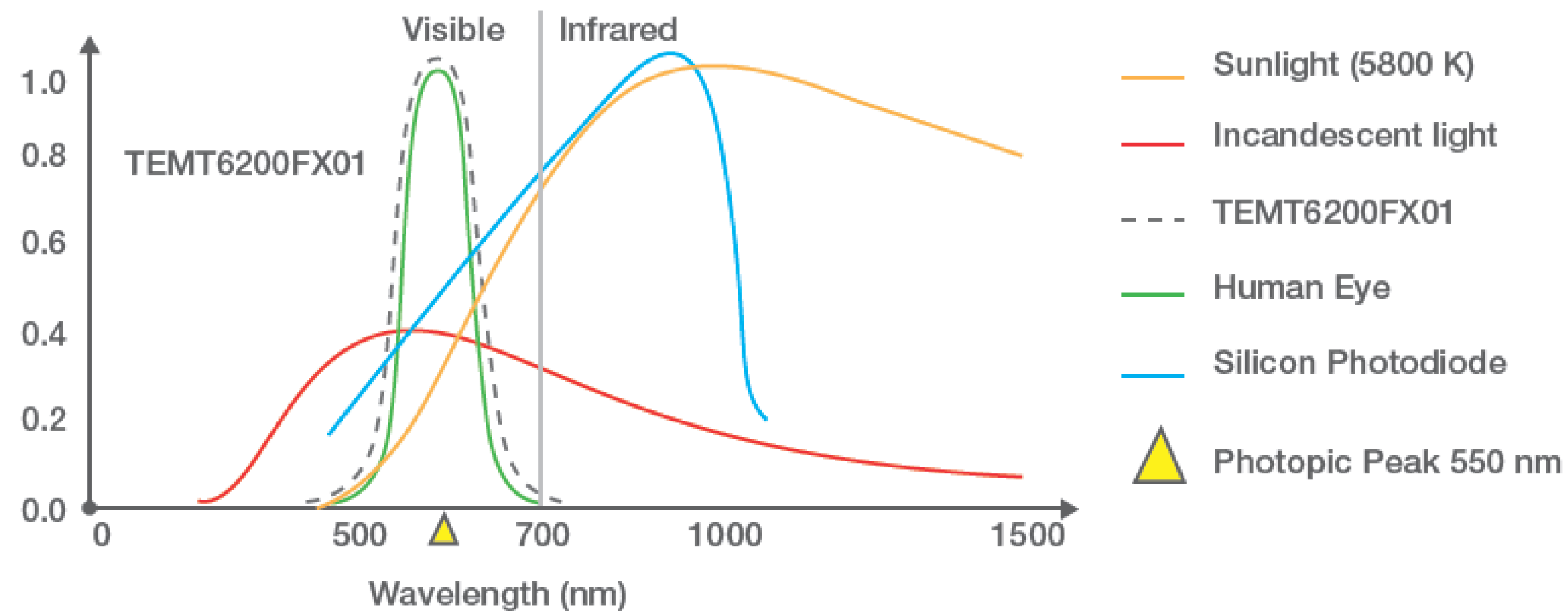
Applications:

- Industrial and commercial power meters (smart grid digital meters)
- Automotive/industrial hybrid and electric battery management
- Alternative energy metering



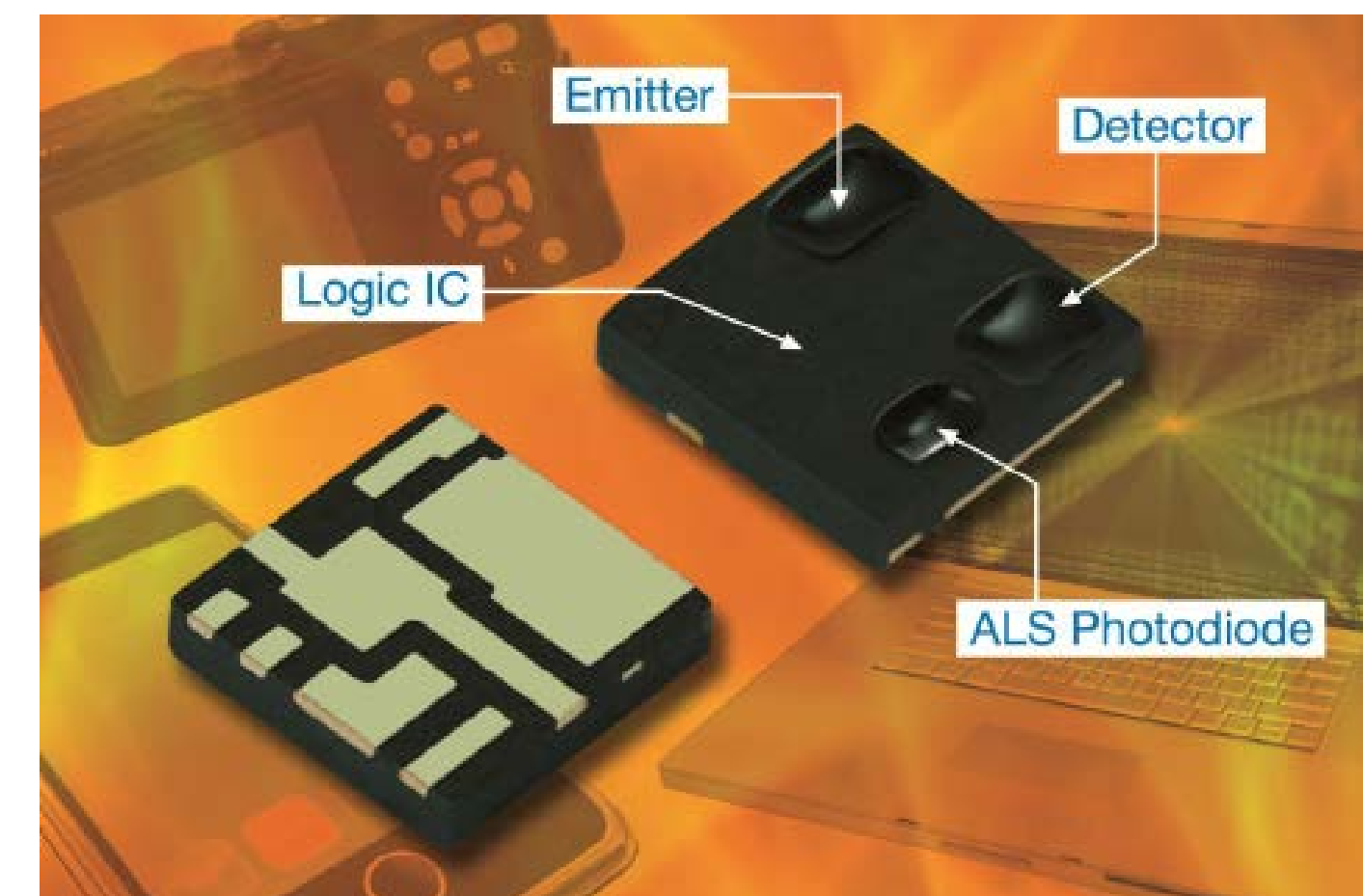
APLICACIONES

- Air Conditioners
- Animal rooms
- Automatic Ventilation
- Clean rooms
- Dehumidifiers
- Food Processing
- Food Storage
- Hospital Suites
- Hospitals/labs
- Humidifiers
- Humidity Controllers
- Humidity Monitors



SENSORES

SENSORES DE LUMINOSIDAD

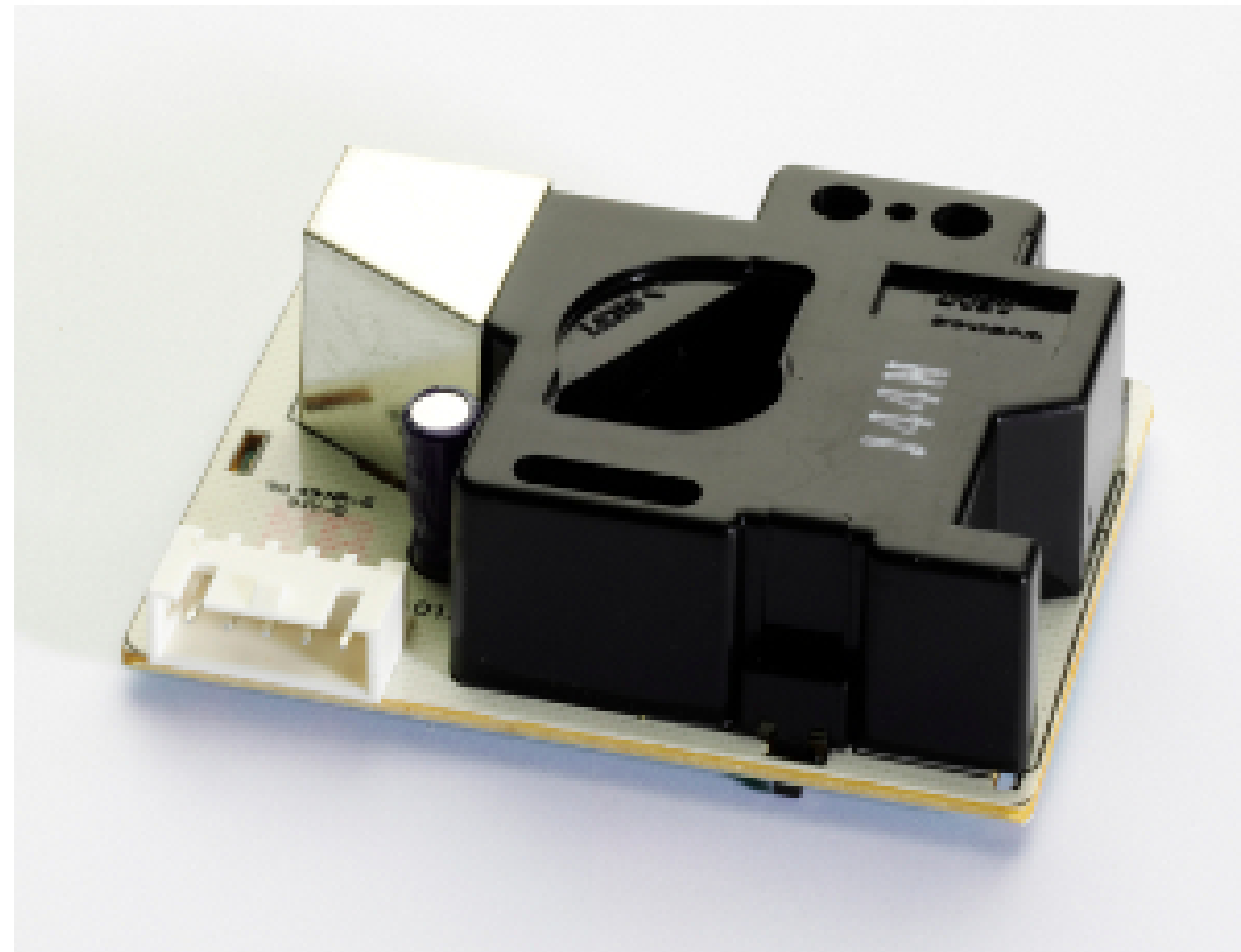


Ambient light sensors for twilight switch	Dimming of Traffic lights	Dimming of industrial display	Headup displays	Dimming of any general lighting
				

SELECTION GUIDE IR SENSORS

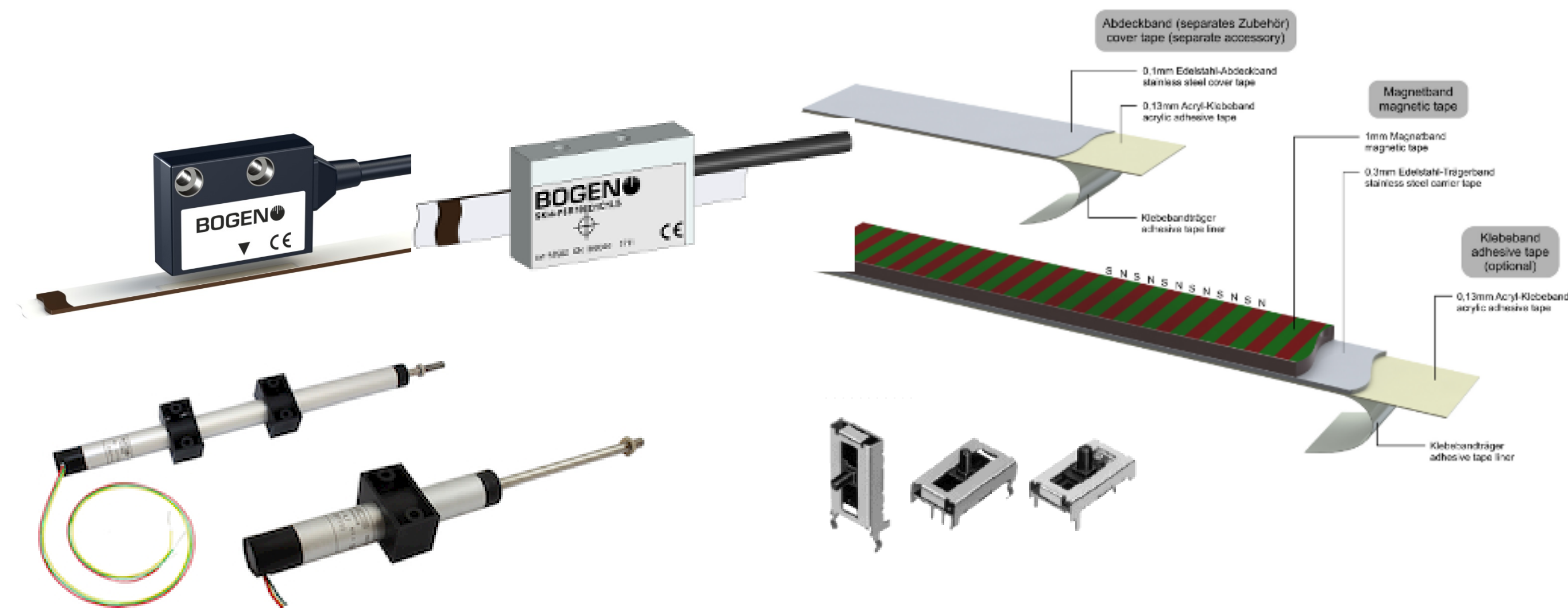
[TEMT6200](#)

[VCNL4000](#)



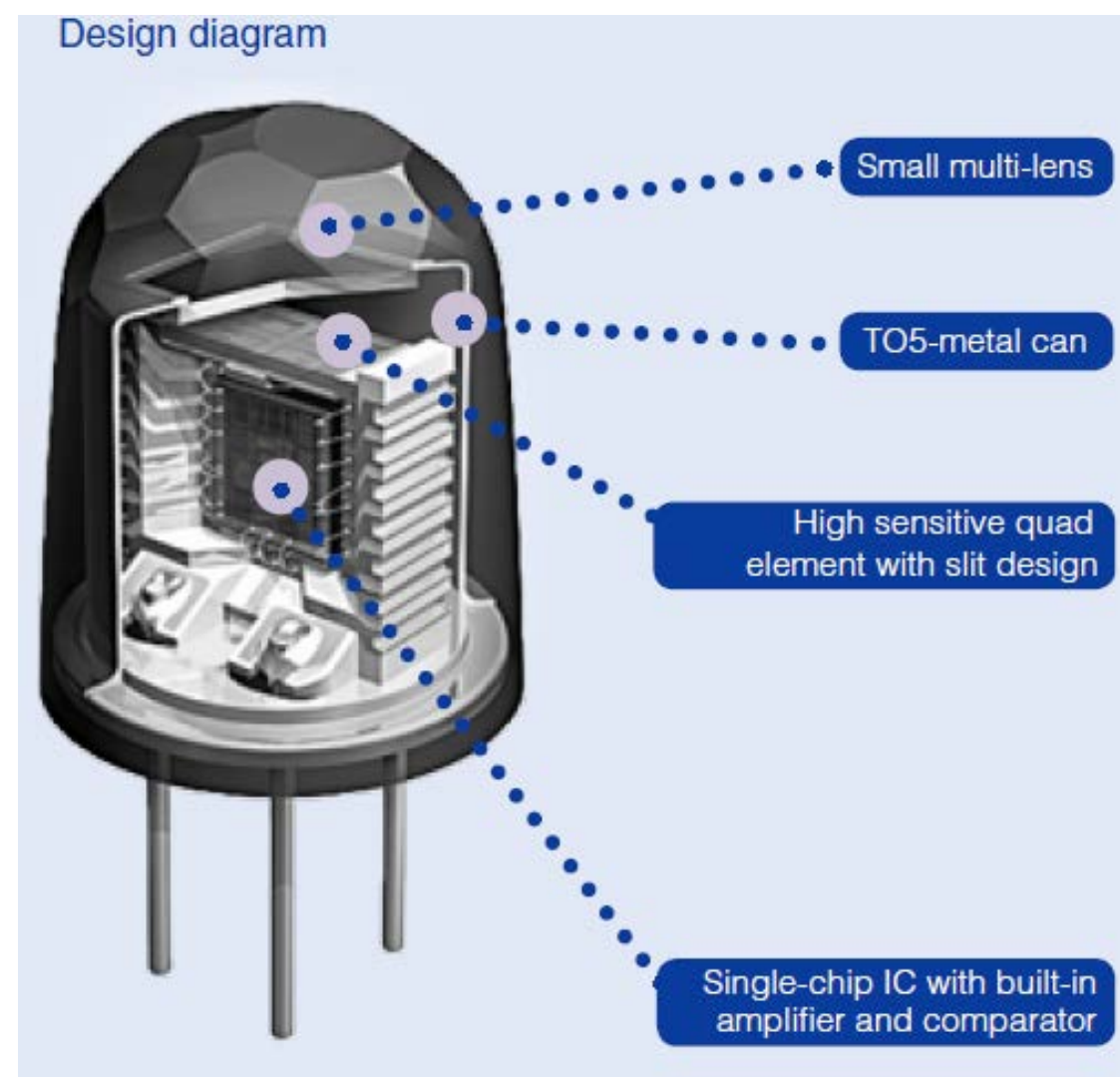
APLICACIONES

- Detection for dust in the air, Indoor Air quality monitoring
- Air cleaner, Air purifier, Air conditioner
- Outdoor dust monitoring



APLICACIONES

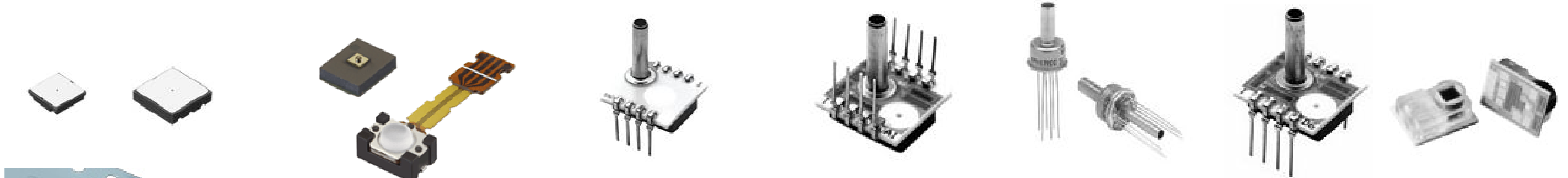
- Automotive
- Avionics
- Consumer
- Industrial
- Military
- Transportation



Type	Detection distance
Slight motion detection type: AMN	2m
Standard detection type: EKMB series, EKMC series, AMN Spot detection type: AMN	5m
10m distance detection type: AMN	10m
Long-distance detection type: EKMB series, EKMC series	12m

APLICACIONES

- Heating, ventilation and Air cond.
- Indoor lighting management
- IP cameras
- Outdoor lighting management
- Safety and alarm systems
- Vending machines
- Ventilators/exhaust air
- Wireless devices/sensors in general



APLICACIONES

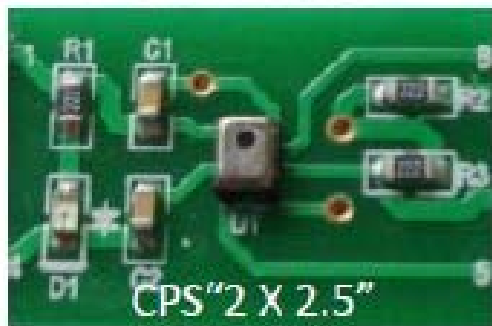


- Air flow monitors
- Altimeters and barometers
- Automobiles and trucks
- Biomedical instruments
- Blood pressure measurement
- Critical care ventilators
- Ship and marine systems
- Tire pressure monitoring
- Industrial automation
- Medical equipment
- Medical instrumentation
- Pneumatic control systems
- Portable gauges and manometers
- Positive airway pressure devices
- Process control systems
- Refrigeration and HVAC controls

Consumer



Appliance/Industrial



Products

□ Sensors in Powertrain System



Temperature Manifold Absolute Pressure Sensors



Transmission Pressure Sensors CNG Rail & Tank Pressure Sensors

Products

□ Sensors in Brake System



Brake Pressure Sensor



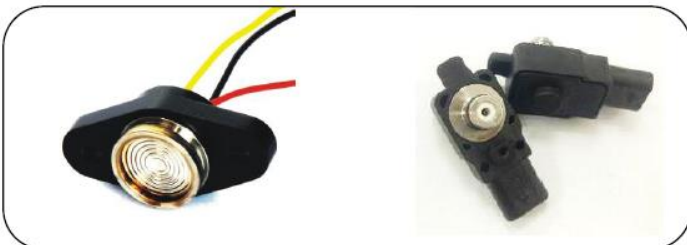
FSP Pressure Sensor Brake Booster Pressure Sensor

Products

□ Sensors in Exhaust Management System



DPF Pressure Sensor



SCR Urea Pressure Sensor



Fuel Vapor Pressure Sensor

Products

□ Systems



Tire Pressure Monitoring System



Inertia Measurement Unit

Products

□ Sensors in Construction Machinery



Hydraulic Pressure Sensor



Fuel Level Sensor

Products

□ Sensors in Home Appliance



Vacuum Cleaner Pressure Sensor



Water Level Sensor



Central A/C refrigerant compressor pressure sensor

Compensated Packages

TR Series

amplified output

PSI	15 – 300
Bar	1 – 20.7
KPa	103.4 – 2,068
Size	10.16 x 12.7 mm
Temp	-40 – +150 °C

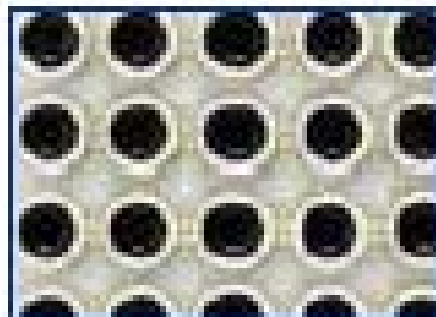


Uncompensated Packages

SMD Series

surface-mountable

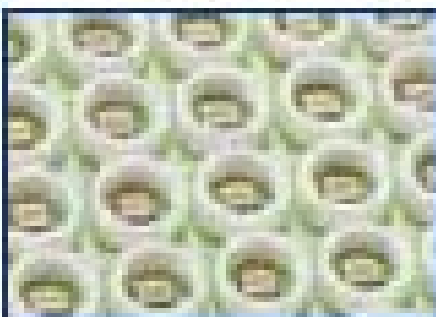
PSI	5 – 500+
Bar	0.34 – 34.5+
KPa	34.5 – 3,447+
Size	7.6 x 7.6 mm
Temp	-40 – +85 °C



MS Series

surface-mountable

PSI	15 – 500+
Bar	1 – 34.5+
KPa	103 – 3,447
Size	6.4 x 6.4 mm
Temp	-40 – +85 °C



PMD Series

thru-hole mountable

PSI	5 – 50
Bar	0.34 – 3.5
KPa	34.5 – 345
Size	8.1 x 7.6 mm
Temp	-40 – +85 °C



Passive Compensated Packages

BP Series

medical blood pressure

mmHg	-30 – 300
PSI	-0.58 – 5.8
mbar	40 – 400
KPa	4 – 40
Size	10.5 x 8.1 mm
Temp	+15 – +40 °C



AP Series

PSI	-15 – 300
Bar	-1 – 20.7
KPa	-103 – 2,068
Size	12.45 x 14.73 mm
Temp	+10 – +40 °C



LP Series Ultra Low Pressure

PSI	0.15 – 1
mbar	10.3 – 68.9
KPa	1 – 6.9
inH ₂ O	4.2 – 27.7
Size	10.2 x 13.3 mm
Temp	-40 – +85 °C



MEMS Sensing Elements

L Series

low pressure

PSI	0.15 – 1
mbar	10.3 – 68.9
KPa	1 – 6.9
Size	3.3 x 3.3 mm



3000 Series

low pressure

PSI	5 – 100
Bar	0.34 – 7
KPa	34.5 – 689.5
Size	3.3 x 2.5 mm



AP301 Series

medium pressure

PSI	100 – 1,000
Bar	6.9 – 68.9
KPa	689.5 – 6,895
Size	2.8 x 2.2 mm



5000 Series

high pressure

PSI	1,000 – 10,000
Bar	68.9 – 689
KPa	6,895 – 68,948
Size	1.9 x 1.6 mm



7000 Series

broad pressure

PSI	15 – 500
Bar	1 – 34.5
KPa	103 – 3,447
Size	2.2 x 1.6 mm



HM Series

harsh media, absolute

PSI	100 – 500
Bar	7 – 34.5
KPa	700 – 3,447
Size	2.07 x 2.07 mm

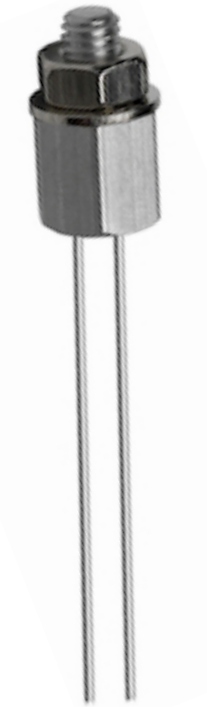
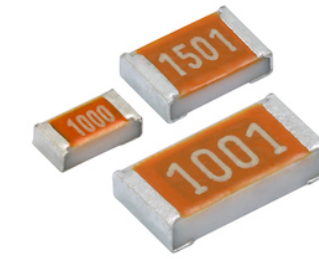
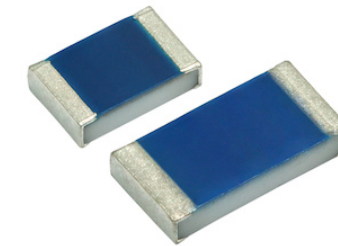
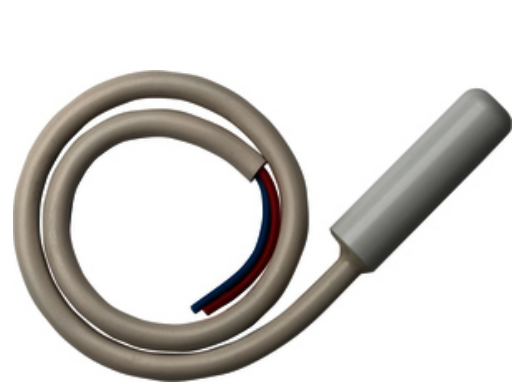


K Series

high pressure

PSI	1,000 – 15,000
Bar	68.9 – 1,034
KPa	6,895 – 103,421
Size	1.4 x 1.4 mm

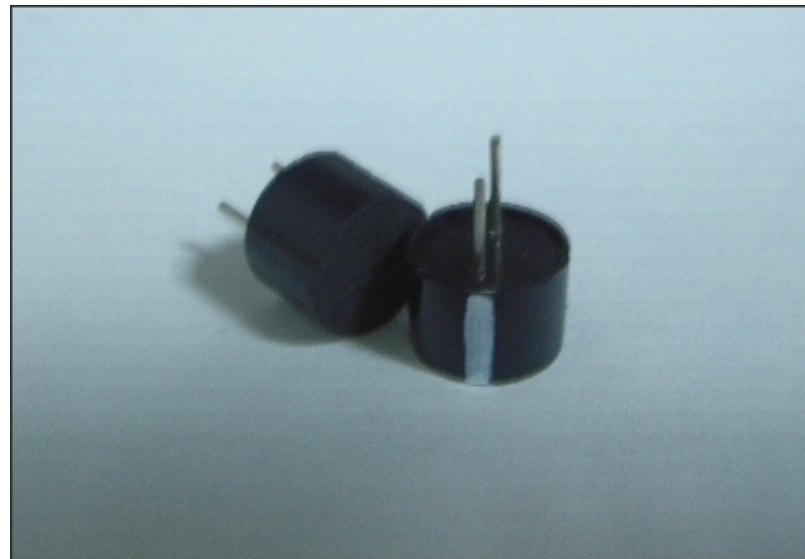




APLICACIONES

- Automotive electronics
- Battery packs
- Digital meters
- Electric motor
- Halogen lamp
- Heaters
- Home appliances
- LED driver circuit
- Liquid crystal display
- Medical devices
- Precision instruments
- Switch mode power supplies
- Temperature compensation for various circuits
- Thermometers
- Transformer
- Various motor driving circuits





APLICACIONES

- Beauty
- Car back sonar system
- Cleaner
- Fish finder
- Flowmeters
- Humidifier
- Intruder alarm system
- Objects detectors
- Pest repeller
- Powder level sensor
- Remote controller
- Shock sensor
- Ultrasonic cleaner
- Ultrasonic beauty components



UV LIGHT SENSOR WITH I²C INTERFACE

The VEML6070 is an advanced ultraviolet (UVA) light sensor designed with a CMOS process and featuring an I²C protocol interface.

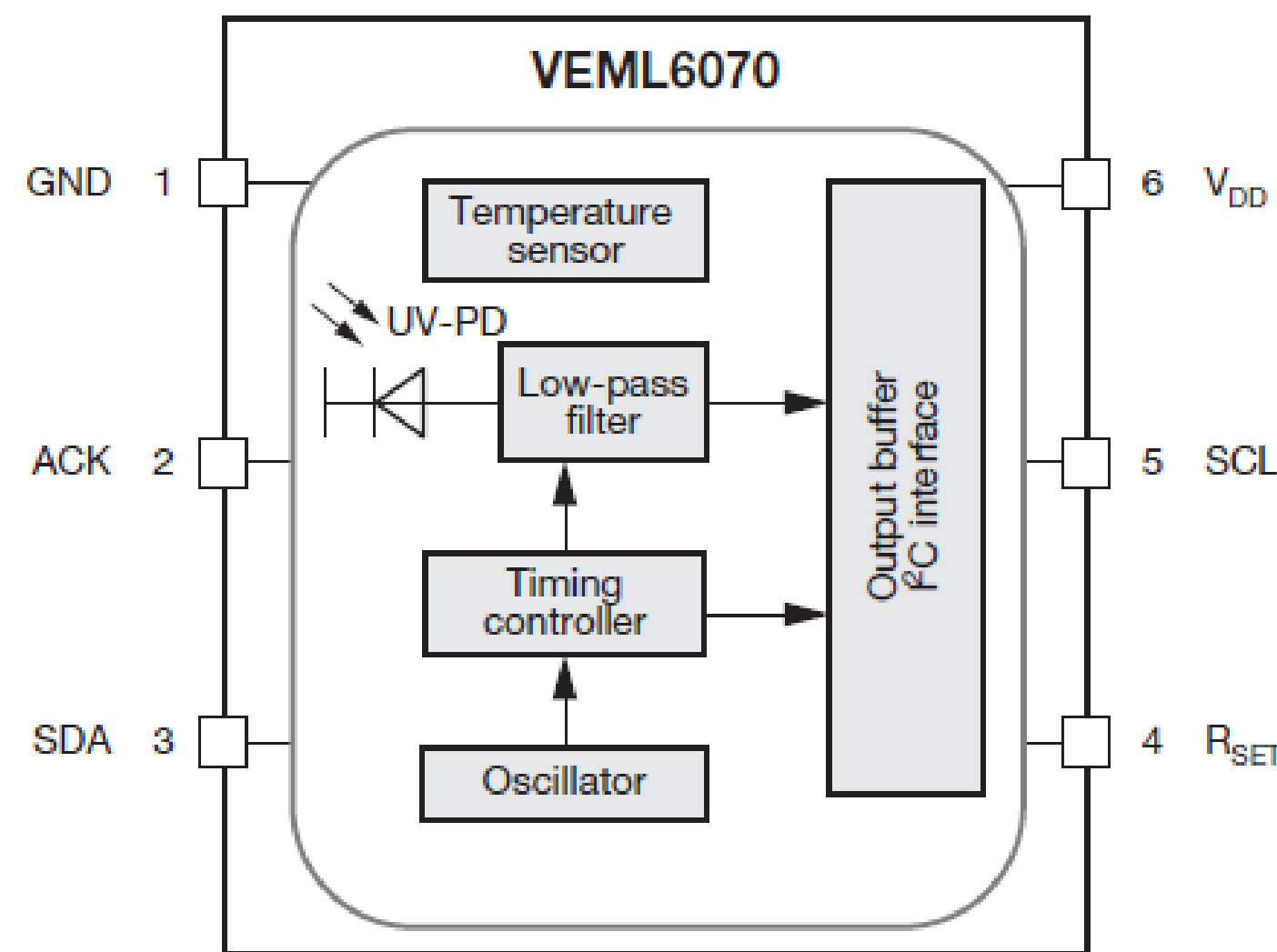
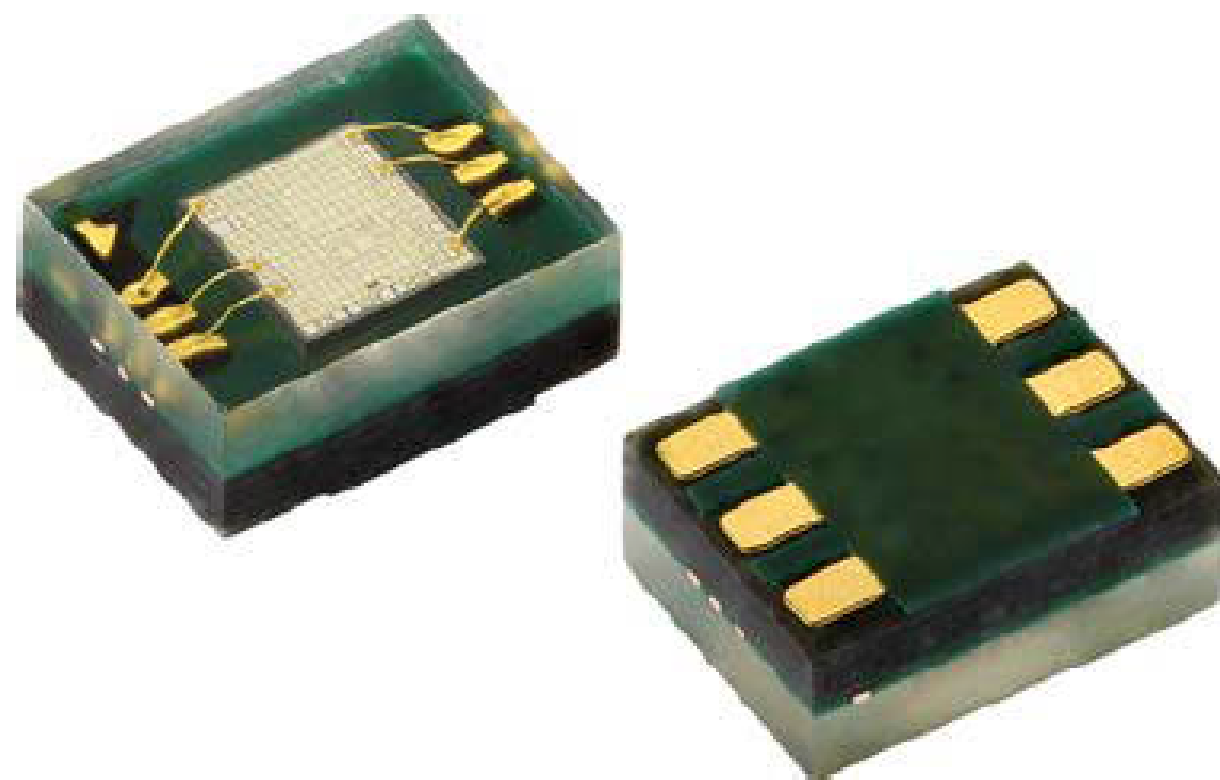
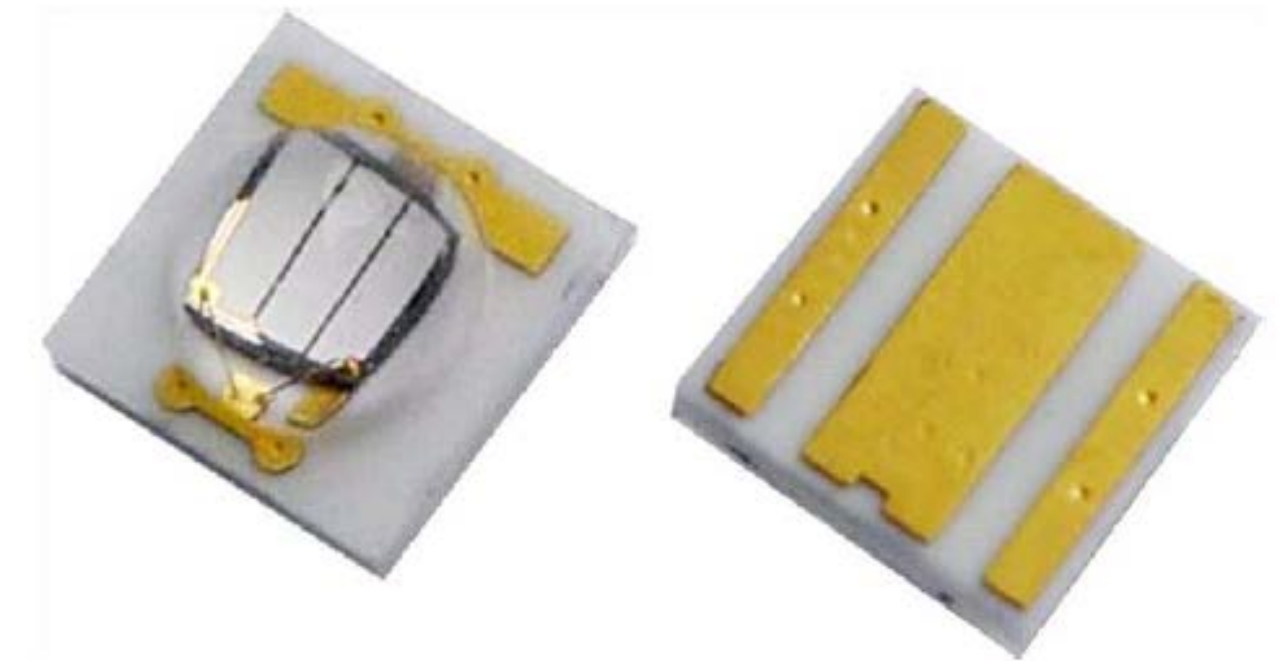


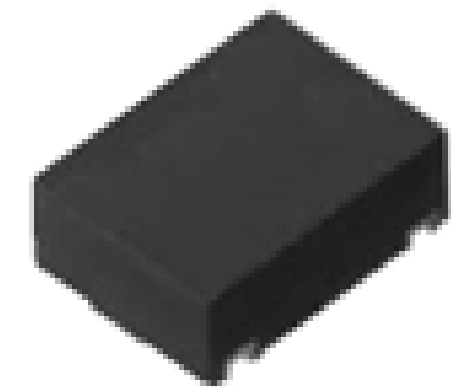
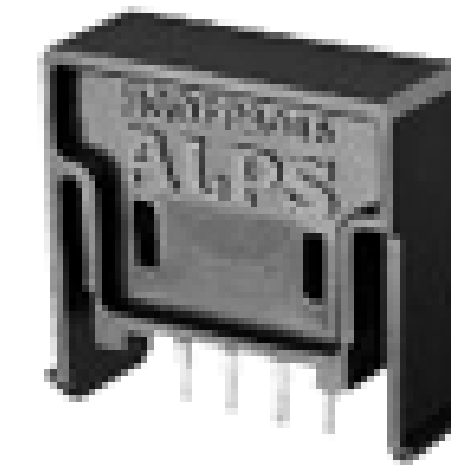
Fig. 1 - Block Diagram of the VEML6070



DESCRIPTION

VLMU3500-385-120 is a ceramic based high power UV LED with silicone lens for long life time. The package size is 3.5 mm x 3.5 mm and the radiant power up to 1235 mW at 700 mA in a wavelength range of 380 nm to 390 nm.

VISHAY DISPONE DE UNA GAMA DE SENSORES PARA LA MEDICION DE LOS RAYOS UV ASI COMO LA GENERACION DE LOS MISMOS



APLICACIONES

- Automobile
- Camera
- Car AV equipment
- Health care
- Home appliances
- Mobile phone & peripherals
- PC & peripherals
- Personal audio
- Professional audio
- Robot & industrial machines



MUCHAS GRACIAS POR SU ATENCIÓN.

