

PHOTO OPTIC SENSORS



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Photo Optic Components



ELM-4000

Package	Lead frame
Type	Emitter assembly
Range	660 nm / 880-940 nm
Unique Features	<ul style="list-style-type: none"> • Low cost • Dual drive • Clear epoxy lens
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Dimensions (mm)	4.4 x 5.1 x 1.9
Typical Applications	Pulse oximetry, finger and ear probes, disposable



EPM-4001

Package	Lead frame
Type	Detector assembly
Range	—
Unique Features	<ul style="list-style-type: none"> • Low cost • Fast response • High efficiency
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Dimensions (mm)	4.4 x 5.1 x 1.8
Typical Applications	Pulse oximetry, finger and ear probes, disposable



ELM-5000

Package	Surface mount
Type	Emitter assembly
Range	660 nm / 890-905 nm
Unique Features	<ul style="list-style-type: none"> • Reflow solderable • Dual drive • Clear epoxy lens
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Dimensions (mm)	4.0 x 4.8 x 1.3
Typical Applications	Pulse oximetry, finger and ear probes, disposable



EPM-5000

Package	Surface mount
Type	Detector assembly
Range	—
Unique Features	<ul style="list-style-type: none"> • Reflow solderable • Fast response • High efficiency
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Dimensions (mm)	4.0 x 4.8 x 1.3
Typical Applications	Pulse oximetry, finger and ear probes, disposable

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Pulse Oximetry (SpO₂) Probe Platforms



Disposable Sensor

Package	Biocompatible
Type	Sensor platform
Range	Adult/neonatal
Unique Features	<ul style="list-style-type: none"> • Latex free • Lightweight • Microfoam/cloth
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Typical Applications	Pulse oximetry



Finger Clip Sensor

Package	Biocompatible
Type	Sensor platform
Range	Adult
Unique Features	<ul style="list-style-type: none"> • Soft pads • Lightweight • Easily cleaned
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Typical Applications	Pulse oximetry



Soft Sensor

Package	Silicon boot
Type	Sensor platform
Range	Adult/pediatric
Unique Features	<ul style="list-style-type: none"> • Ease of use • Lightweight • Latex free
Accuracy	Sensor dependent
Operating Temp.	-20°C to 80°C
Typical Applications	Pulse oximetry