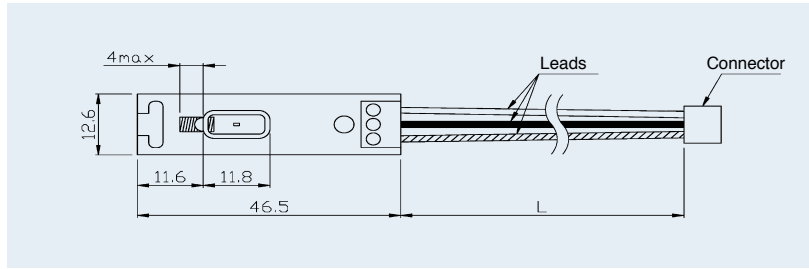


Printer / copy machine

1. NC sensor (non-contact)

Non contact sensor based on infrared detection that has very strong heat and dirt resistance.

Zero power resistance R_{180} :	7 k Ω \pm 3%	Thermal time constant: approx. 1.3 sec.
B value $B_{25/85}$:	3370 K \pm 1%	Breakdown voltage: AC 500 V 1 sec.
Temperature range (except connector):	- 10 to 150 $^{\circ}$ C	Insulation resistance: DC 500 V 100 M Ω +
Measurement temp. range:	- 10 to 260 $^{\circ}$ C	



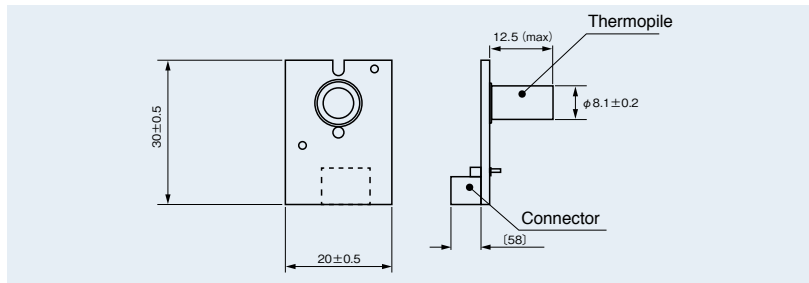
2. Thermopile module (non-contact)

Non contact sensor based on infrared detection that measures temperature easily and accurately.

Source voltage:	3.2 V to 6 V
Output voltage:	0.2 V to 2.8 V
Temperature range:	- 25 to 100 $^{\circ}$ C
Measurement temp. range:	- 20 to 250 $^{\circ}$ C
Thermal time constant:	approx. 46 ms

Connector pin locations

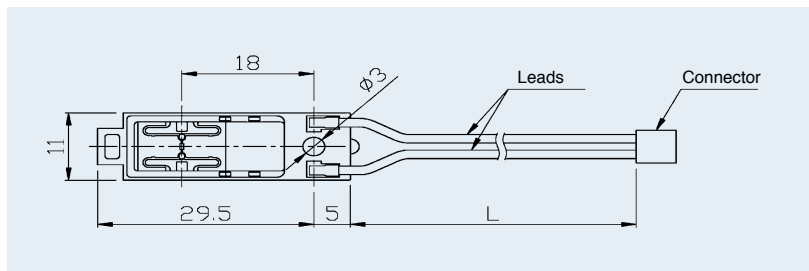
1	Output signal: V_{obj} (V)
2	Output signal: GND
3	Output signal: Power supply voltage : Vdd
4	Output signal: V_{tamb} (V)



3. HF-N sensor (non-contact)

Sensor that allows non contact measurement with conventional thermistor systems.

Zero power resistance R_{180} :	7k Ω \pm 5%
B value $B_{25/85}$:	3370K \pm 3%
Temperature range (sensing part):	- 20 to 230 $^{\circ}$ C

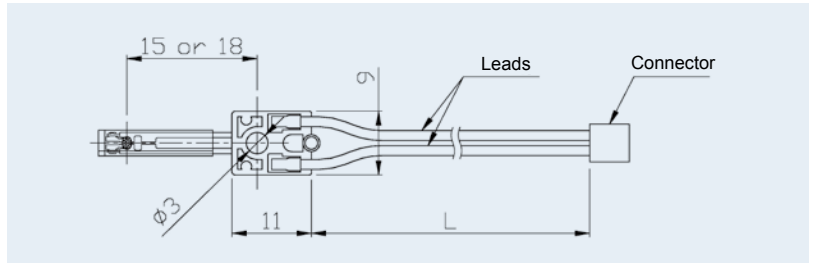


4. FS sensor

Low friction type sensor that reduces damage to the fuser roller to a minimum.

Zero power resistance R_{180} : $7\text{ k}\Omega \pm 5\%$
 B value $B_{25/85}$: $3370\text{ K} \pm 3\%$
 Temperature range (sensing part): -20 to 230°C

Thermal time constant: approx. 1.0 sec. (roller)
 Breakdown voltage: AC 600 V 1 sec.
 Insulation resistance: DC 500 V 100 M Ω +

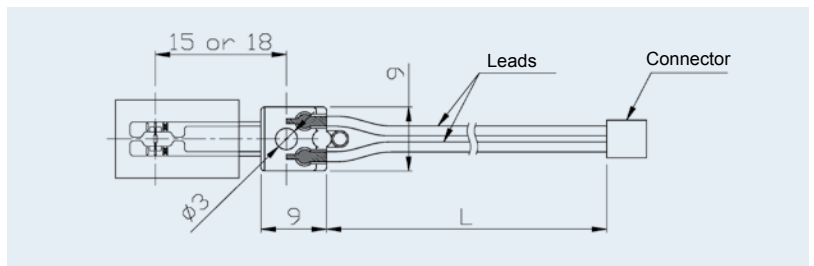
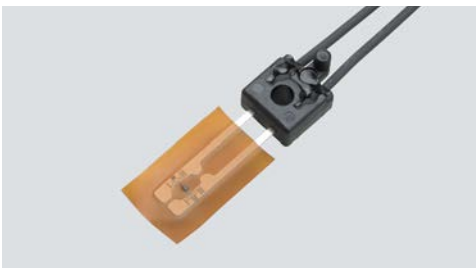


5. HF-H sensor

Fast response type temperature sensor that can quickly respond to temperature changes of the fuser roller.

Zero power resistance R_{180} : $7\text{ k}\Omega \pm 5\%$
 B value $B_{25/85}$: $3370\text{ K} \pm 3\%$
 Temperature range (sensing part): -20 to 230°C

Thermal time constant: approx. 0.7 sec. (roller)
 Breakdown voltage: AC 600 V 1 sec.
 Insulation resistance: DC 500 V 100 M Ω +



6. HF-L sensor

Space saving type of temperature sensor with lead wires parallel to the fuser roller.

Zero power resistance R_{180} : $7\text{ k}\Omega \pm 5\%$
 B value $B_{25/85}$: $3370\text{ K} \pm 3\%$
 Temperature range (sensing part): -20 to 230°C

Thermal time constant: approx. 1.0 sec. (roller)
 Breakdown voltage: AC 600 V 1 sec.
 Insulation resistance: DC 500 V 100 M Ω +

