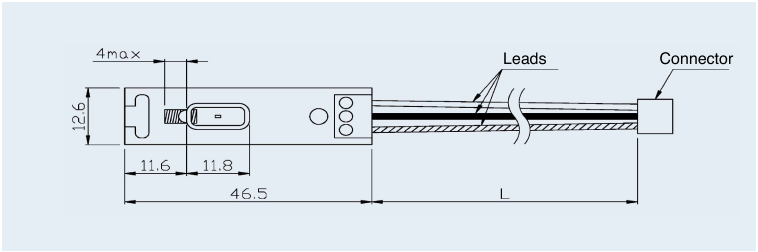
(All dimensions are in mm.)

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 kΩ ± 3%	Thermal time constant:	approx. 1.3 sec.
B value $B_{25/85}$:	3370 K ± 1%	Breakdown voltage:	AC 500 V 1 sec.
Temperature range (except connector):	− 10 to 150℃	Insulation resistance:	DC 500 V 100 MΩ+
Measurement temp. range:	− 10 to 260℃		



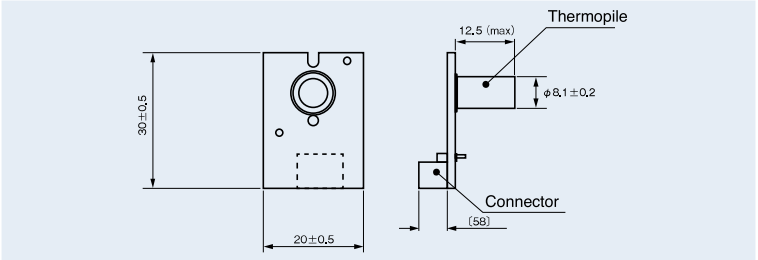
2. Thermopile module (non-contact)

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℃
Measurement temp. range:	− 20 to 250℃
Thermal time constant:	approx. 46 ms

Connector pin locations

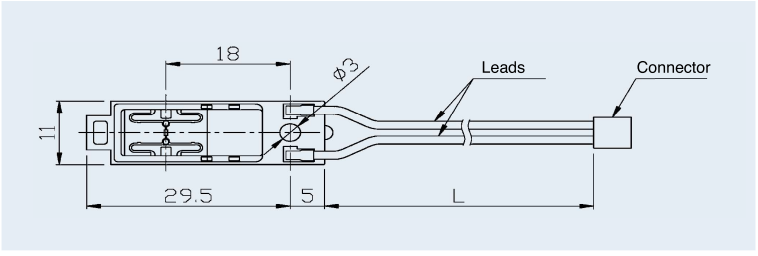
1	Output signal: V_{tobj} (V)
2	Output signal: GND
3	Output signal: Power supply voltage : Vdd
4	Output signal: V_{tamb} (V)



3. HF-N sensor (non-contact)

Sensor that allows non contact measurement with conventional thermistor systems.

Zero power resistance R_{180}:	7kΩ ± 5%
B value $B_{25/85}$:	3370K ± 3%
Temperature range (sensing part):	− 20 to 230℃

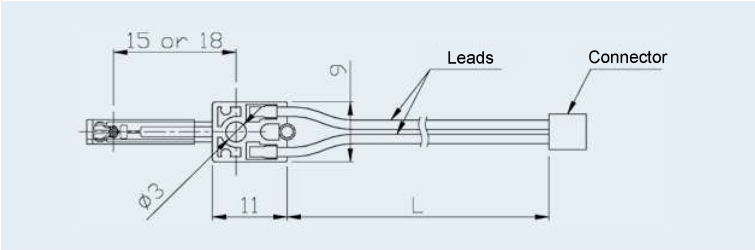


(All dimensions are in mm.)

4. FS sensor

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

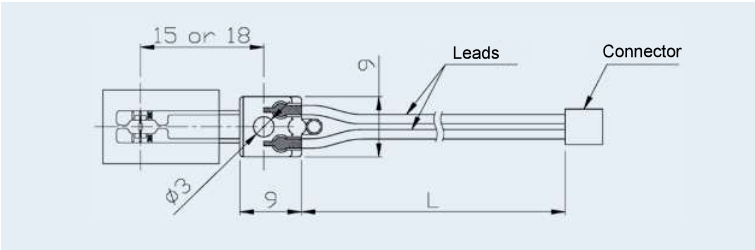
Zero power resistance R_{180}:	7 kΩ ± 5%	Thermal time constant:	approx. 1.0 sec. (roller)
B value $B_{25/85}$:	3370 K ± 3%	Breakdown voltage:	AC 600 V 1 sec.
Temperature range (sensing part):	− 20 to 230℃	Insulation resistance:	DC 500 V 100 MΩ+



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 kΩ ± 5%	Thermal time constant:	approx. 0.7 sec. (roller)
B value $B_{25/85}$:	3370 K ± 3%	Breakdown voltage:	AC 600 V 1 sec.
Temperature range (sensing part):	− 20 to 230℃	Insulation resistance:	DC 500 V 100 MΩ+



6. HF-L sensor

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

Zero power resistance R_{180}:	7kΩ ± 5%	Thermal time constant:	approx. 1.0 sec. (roller)
B value $B_{25/85}$:	3370K ± 3%	Breakdown voltage:	AC 600 V 1 sec.
Temperature range (sensing part):	− 20 to 230℃	Insulation resistance:	DC 500 V 100 MΩ+