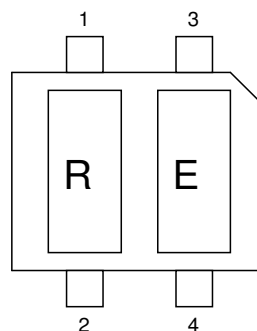
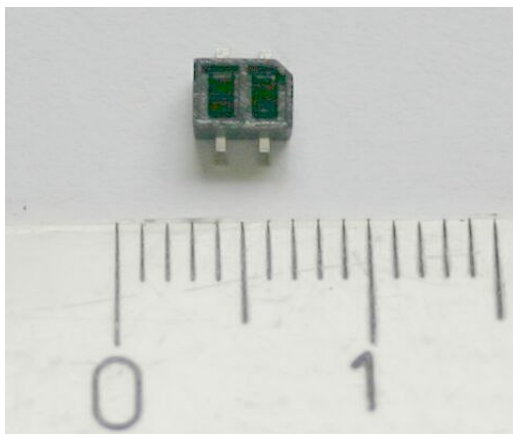


SENS-1 documentation

This is a very small SMD IR reflex sensor. I have no specifications at all, below is what I have measured using a multimeter. Note: the ruler on the picture below has a centimeter scale.



Connections:

1	220 k Ω to ground
2	+ 5 Volt
3	2.2 k Ω to + 5 Volt
4	ground

The voltage at pin 3 (positive side of the IR emitter) is be ~ 1 Volt. The voltage at pin 1 (negative side of the receiver) is 4.5 .. 5.0 Volt in room ambient light, 4.0 .. 4.5 Volt when the sensor looks at a white surface (at ~ 5mm). The voltage drops to 1.0 .. 2.0 Volt when this surface is black.