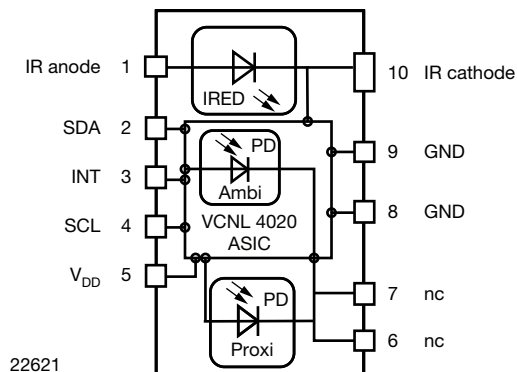


**CIRCUIT BLOCK DIAGRAM**

**Note**

- nc must not be electrically connected  
Pads 6 and 7 are only considered as solder pads

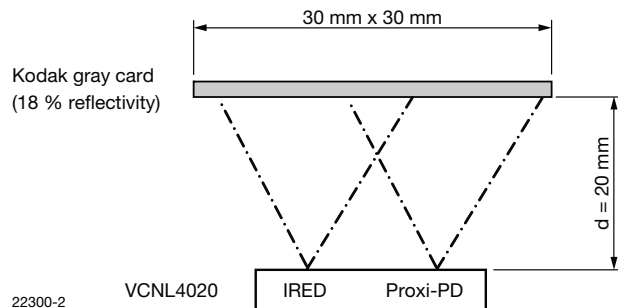
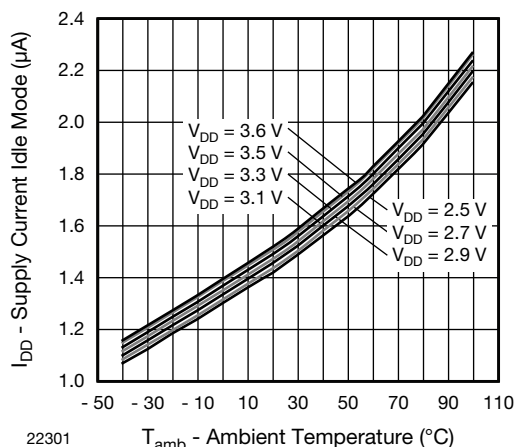
**TEST CIRCUIT**

**BASIC CHARACTERISTICS** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified)


Fig. 1 - Idle Current vs. Ambient Temperature

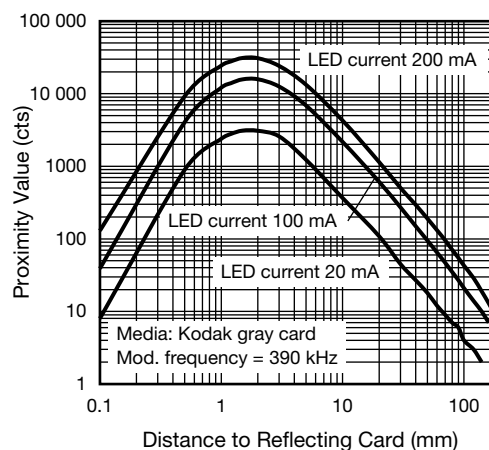


Fig. 3 - Proximity Value vs. Distance

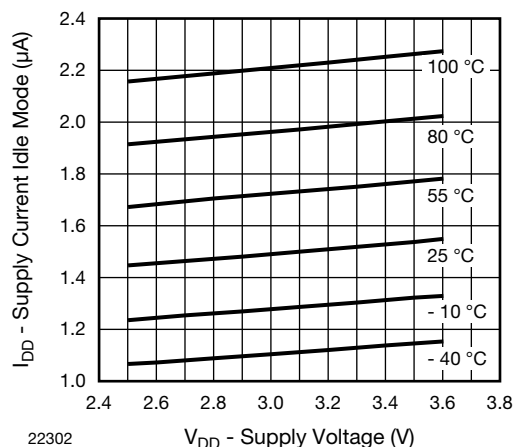
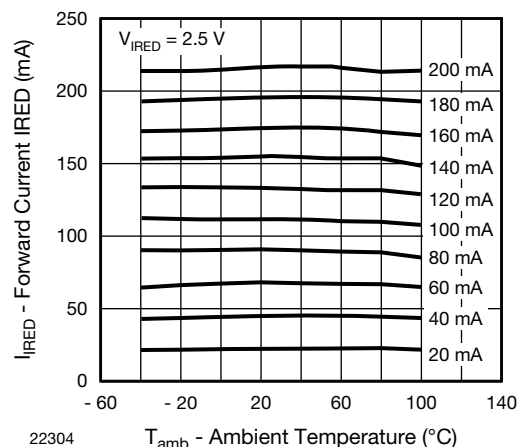

Fig. 2 - Idle Current vs.  $V_{DD}$ 


Fig. 4 - Forward Current vs. Temperature

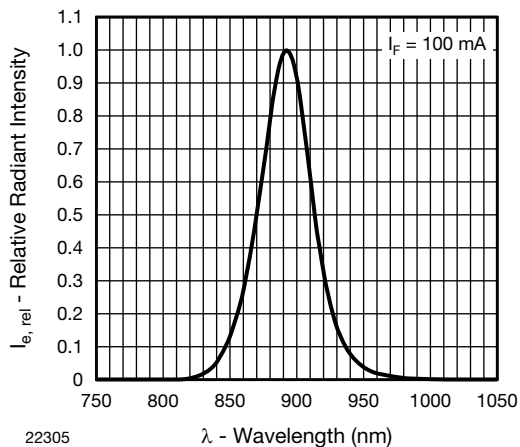


Fig. 5 - Relative Radiant Intensity vs. Wavelength

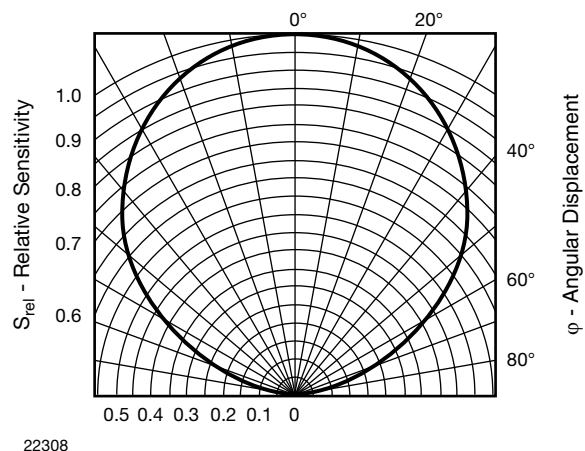


Fig. 8 - Relative Radiant Sensitivity vs. Angular Displacement (Proximity Sensor)

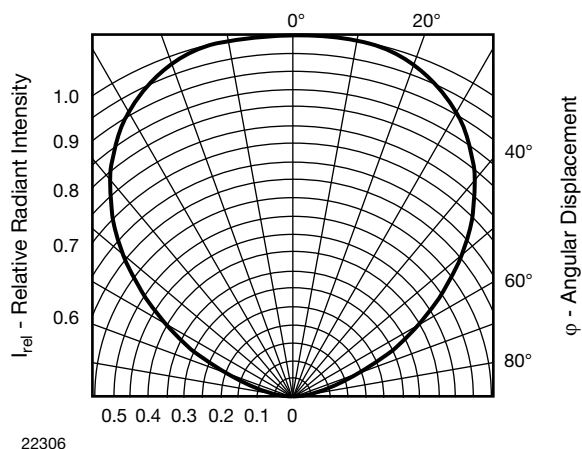


Fig. 6 - Relative Radiant Intensity vs. Angular Displacement

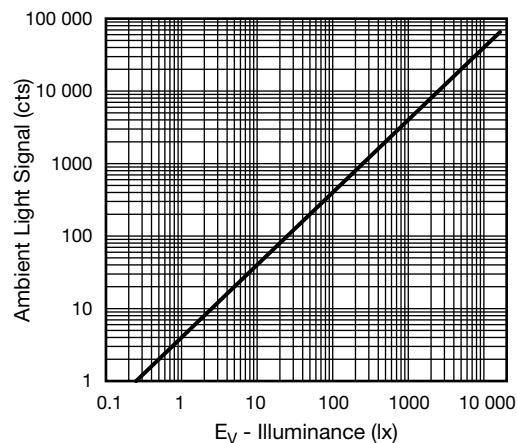


Fig. 9 - Ambient Light Value vs. Illuminance

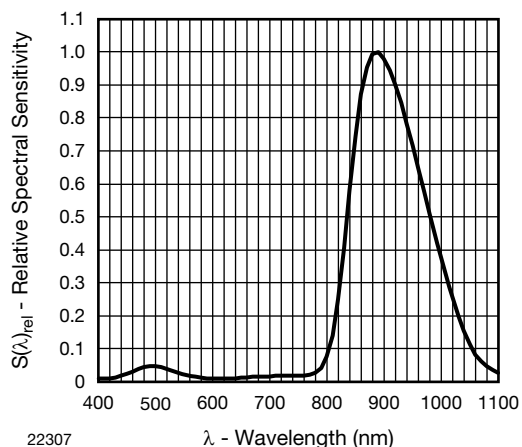


Fig. 7 - Relative Spectral Sensitivity vs. Wavelength (Proximity Sensor)

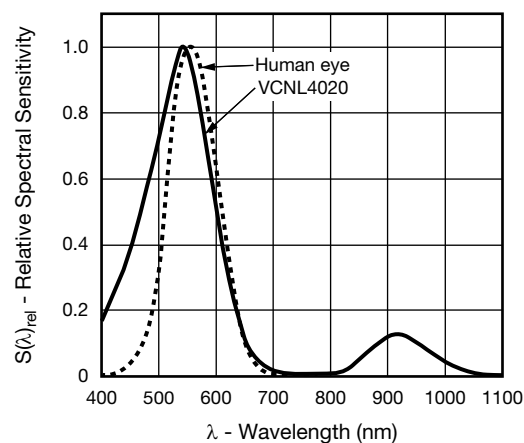


Fig. 10 - Relative Spectral Sensitivity vs. Wavelength (Ambient Light Sensor)