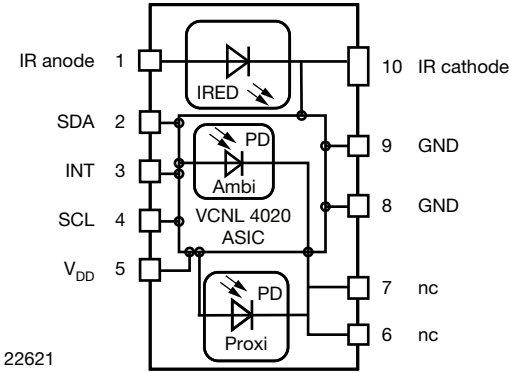
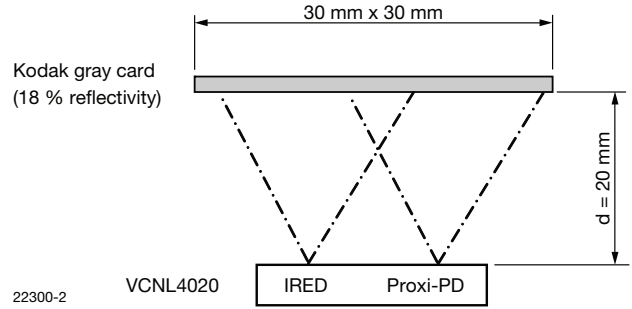


CIRCUIT BLOCK DIAGRAM



22621

TEST CIRCUIT

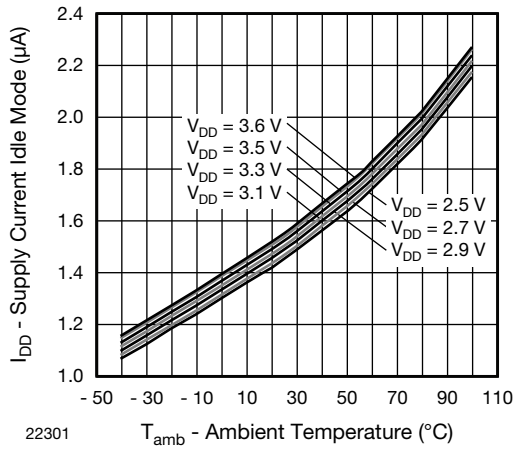


22300-2

Note

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

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



22301

Fig. 1 - Idle Current vs. Ambient Temperature

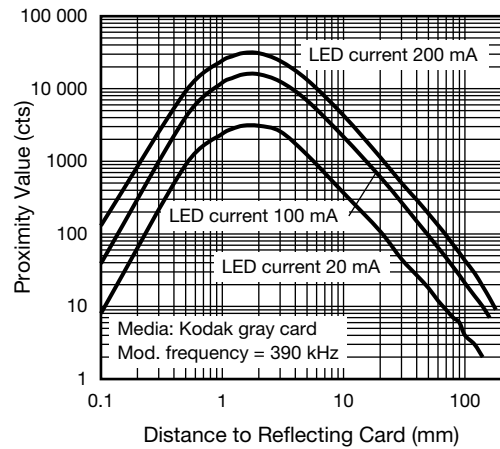
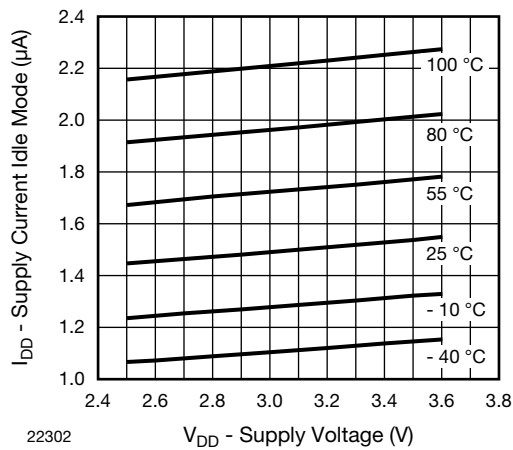
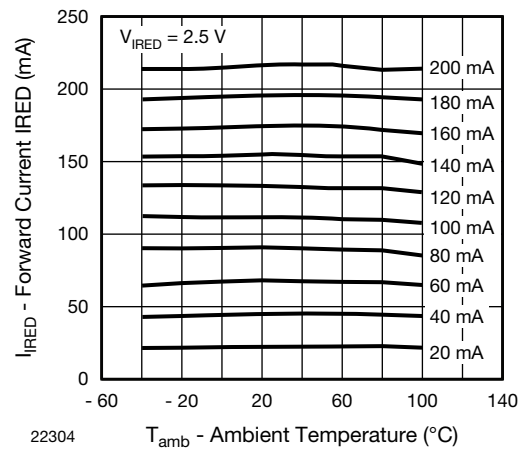


Fig. 3 - Proximity Value vs. Distance



22302

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



22304

Fig. 4 - Forward Current vs. Temperature

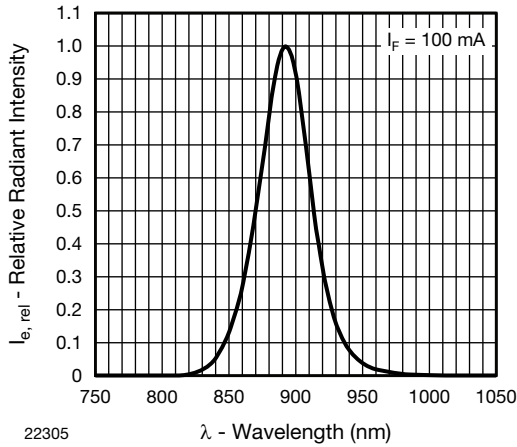


Fig. 5 - Relative Radiant Intensity vs. Wavelength

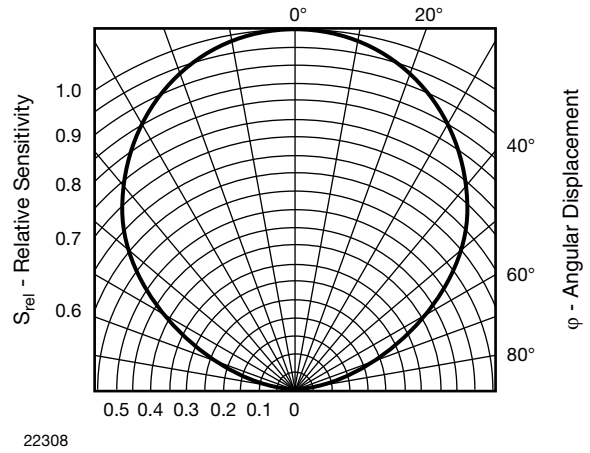


Fig. 8 - Relative Radiant Sensitivity vs. Angular Displacement (Proximity Sensor)

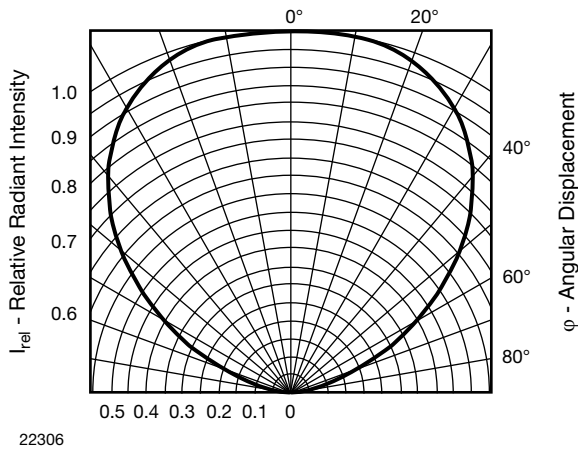


Fig. 6 - Relative Radiant Intensity vs. Angular Displacement

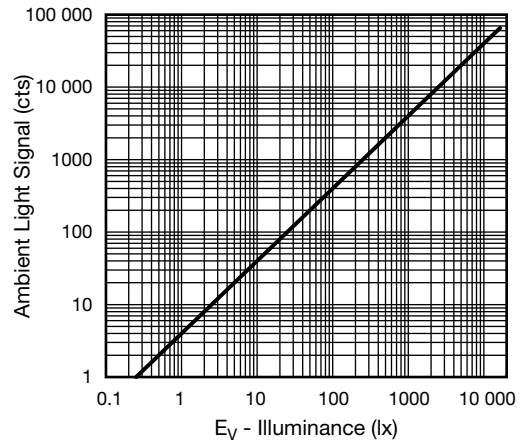


Fig. 9 - Ambient Light Value vs. Illuminance

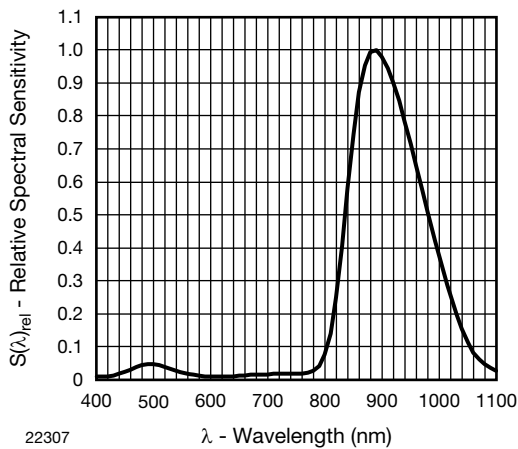


Fig. 7 - Relative Spectral Sensitivity vs. Wavelength (Proximity Sensor)

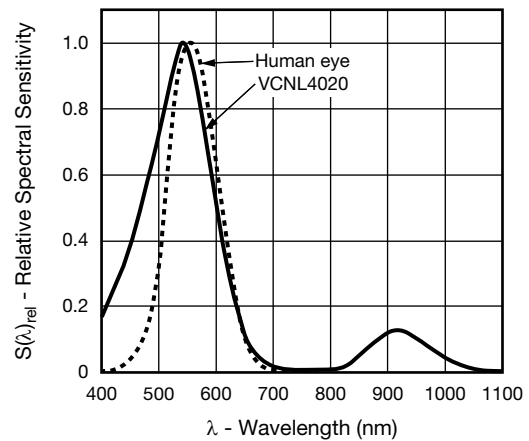


Fig. 10 - Relative Spectral Sensitivity vs. Wavelength (Ambient Light Sensor)