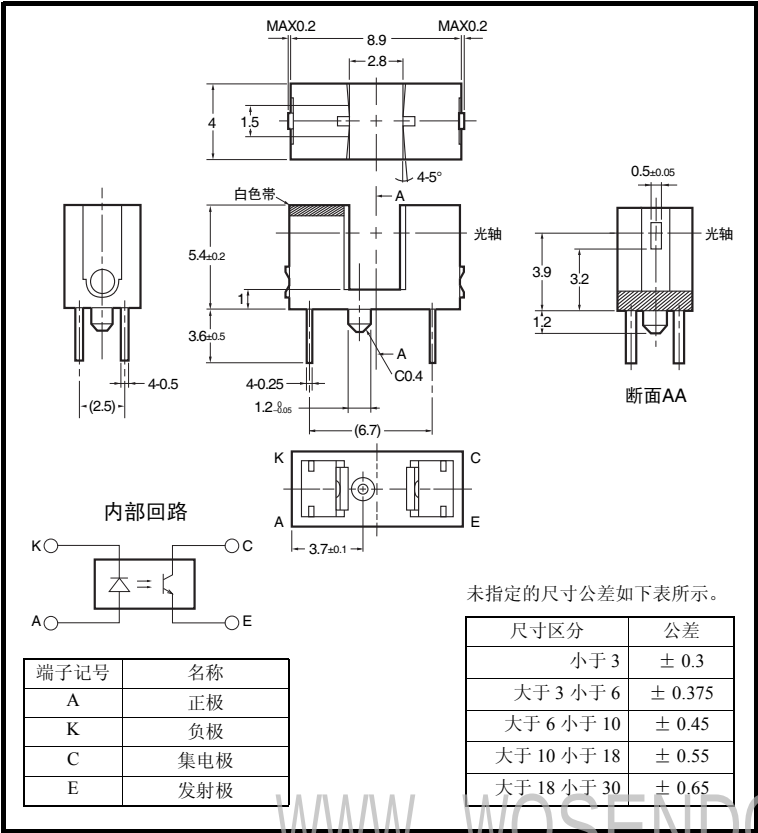


外形尺寸

(单位: mm)



特征

- 高度仅为 5.4mm 的低矮型、小型传感器
印刷线路板实装型
高分辨率 (狭片宽度 0.5mm)

绝对最大额定值 (Ta = 25°C)

Table with 4 columns: Item, Symbol, Rated Value, Unit. Rows include Forward Current (IF), Forward Pulse Current (IFP), Reverse Voltage (VR), Collector-Emitter Voltage (VCEO), Emitter-Collector Voltage (VECO), Collector Current (IC), Collector Dissipation (PC), Operating Temperature (Topr), Storage Temperature (Tstg), and Soldering Temperature (Tsol).

*1 环境温度超过 25 °C 时, 请参阅温度额定值图。
*2 脉冲宽度 ≤ 10μs、重复 100Hz
*3 焊接时间请控制在 10 秒以内

电气及光学特性 (Ta = 25°C)

Table with 7 columns: Item, Symbol, MIN., TYP., MAX., Unit, Conditions. Rows include Forward Voltage (VF), Reverse Current (IR), Maximum Emission Wavelength (λP), Photocurrent (IL), Dark Current (ID), Leakage Current (ILEAK), Collector-Emitter Saturation Voltage (VCE(sat)), Maximum Spectral Sensitivity Wavelength (λP), Rise Time (tr), and Fall Time (tf).

■ 额定值・特性曲线

图 1. 正向电流・集电极损耗的温度额定值图

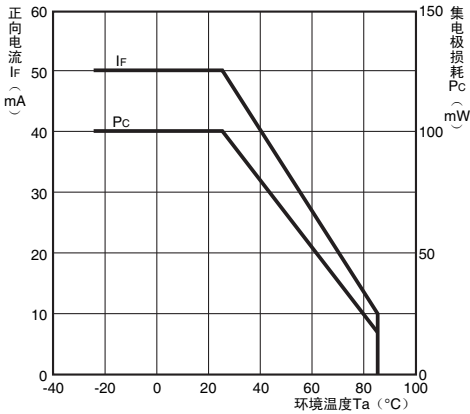


图 2. 正向电流—正向电压特性 (TYP.)

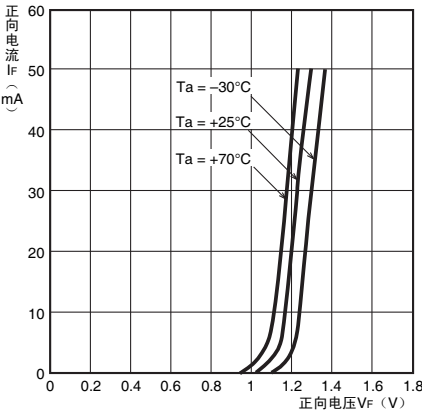


图 3. 光电流—正向电流特性 (TYP.)

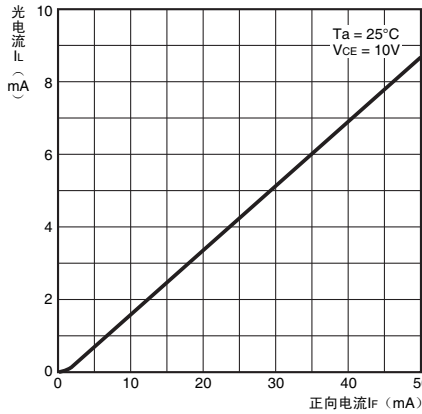


图 4. 光电流—集电极发射极之间的电压特性 (TYP.)

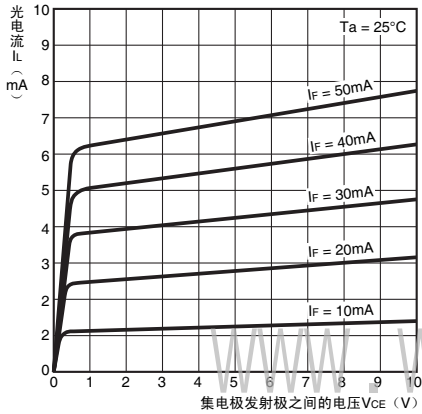


图 5. 相对光电流—环境温度特性 (TYP.)

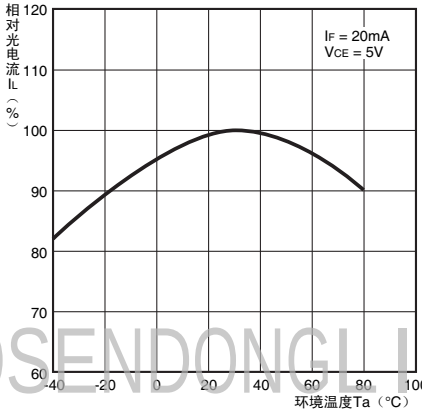


图 6. 暗电流—环境温度特性 (TYP.)

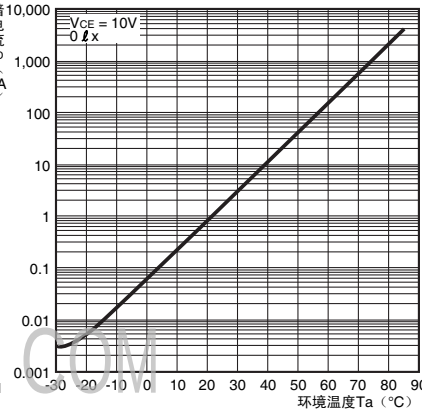


图 7. 应答时间—负载电阻特性 (TYP.)

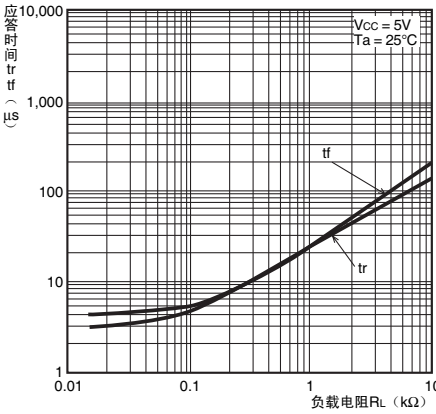


图 8. 检测位置特性 (TYP.)

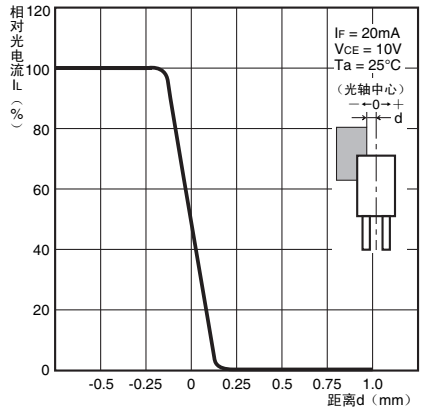


图 9. 检测位置特性 (TYP.)

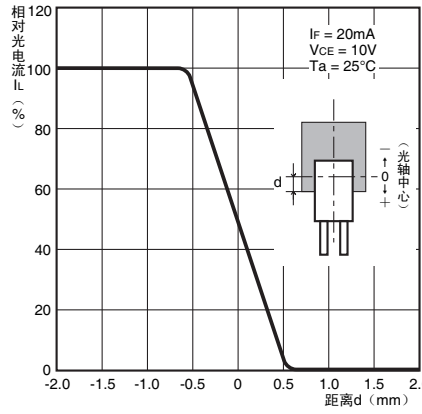
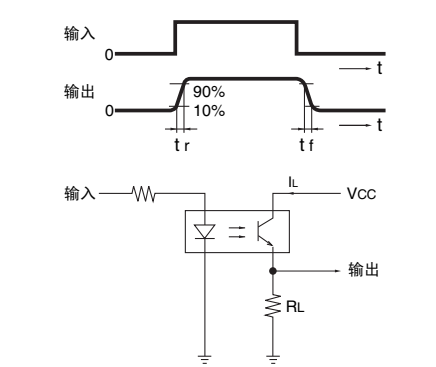


图 10. 应答时间测定回路



微型光电传感器 EE-SX1055