

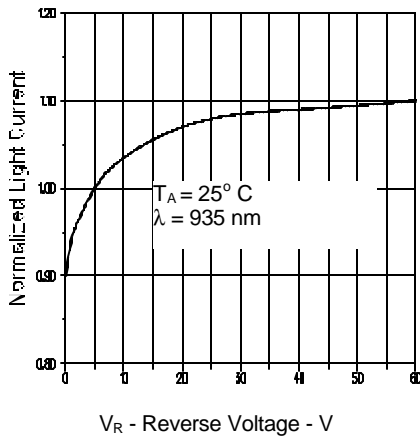
Type OP910

Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)

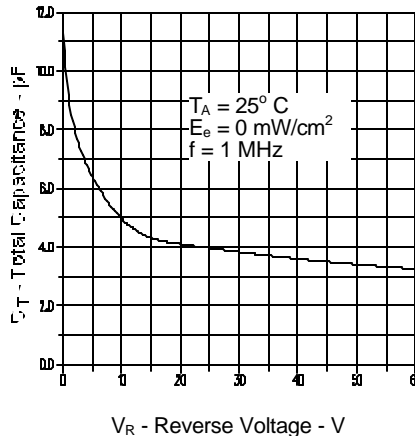
| SYMBOL | PARAMETER | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
|-------------|---------------------------|-----|--------|-----|---------------|-----------------------------------------------------------|
| I_L | Light Current | 10 | 13 | | μA | $V_R = 20\text{ V}$, $E_e = .50\text{ mW/cm}^2$ note 2,3 |
| I_D | Dark Current | | 1 | 10 | nA | $V_R = 20\text{ V}$, $E_e = 0.0$ |
| $V_{(BR)R}$ | Reverse Voltage Breakdown | 100 | | | V | $I_R = 100\ \mu\text{A}$ |
| t_r | Rise Time | | 10 | | nS | $V_R = 20\text{ V}$, $R_L = 50\text{ OHMS}$ |
| t_f | Fall Time | | 10 | | nS | $V_R = 20\text{ V}$, $R_L = 50\text{ OHMS}$ |
| \emptyset | Half Angle | | +/- 12 | | degr. | $I_F = \text{Constant}$ |
| C_P | Capacitance | | 13 | | pF | $V_R = 0\text{ V}$, $f = 1\text{ MHz}$, $E_e = 0$ |

Typical Performance Curves

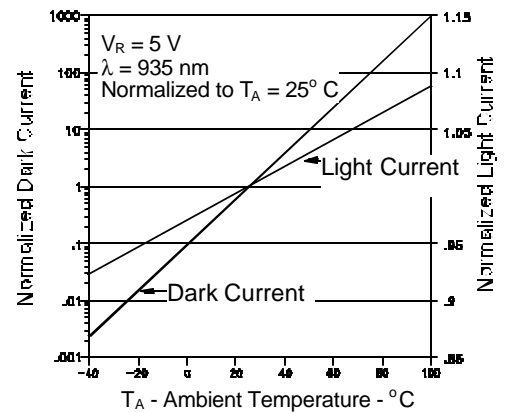
Normalized Light Current vs Reverse Voltage



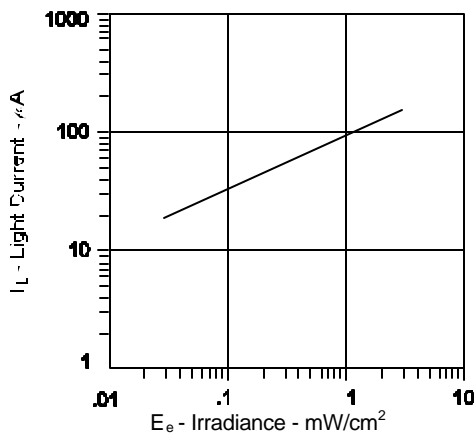
Total Capacitance vs Reverse Voltage



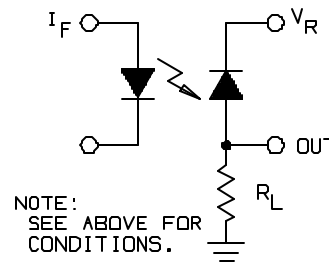
Normalized Light and Dark Current vs Ambient Temperature



Light Current vs Irradiance



Switching Time Test Circuit



Op tek reserves the right to make changes at any time in order to improve design and to supply the best product possible.

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