

Photo Link Module

●Electrical Optical characteristics (Ta = 25°C)

Recommended operating conditions

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|----------------|--------|------|------|------|------|
| Supply voltage | Vcc | 2.4 | 3.0 | 3.6 | V |
| | VLEDA | 2.7 | 3.0 | 5.5 | V |
| | VIO | 1.7 | 3.0 | Vcc | V |

Electrical Optical Characteristics(Unless otherwise noted, Vcc=3V, VLEDVCC=3V, VIO=3V, Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|---------------------------------|--------|------|------|------|--------------------|--|
| Consumption Current2(FIR Mode) | Icc2 | 400 | 1000 | 1600 | μA | PWDOWN=0V, At no input light |
| Consumption Current3(at PWDOWN) | Icc3 | – | 0.01 | 0.2 | μA | PWDOWN=VIO, At no input light |
| LED anode current | ILED | 180 | 250 | 300 | mA | |
| Receiver latency time | tRT | – | 100 | 200 | μs | |
| Peak wavelength | λP | 880 | 890 | 900 | nm | |
| Intensity | IE1 | 25 | 65 | – | mW/Sr | -15deg≤θ _L ≤15deg |
| Half-angle | θL/2 | ±15 | – | – | deg | |
| Minimum irradiance in augular2 | Eemin2 | – | – | 20.3 | μW/cm ² | -15deg≤θ _L ≤15deg, >115.2kbps |
| Input half-angle | θD/2 | ±15 | – | – | deg | |

Notes

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