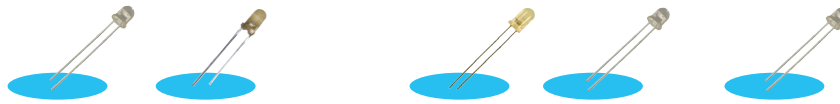


Plastic Infrared Emitting Diodes



| Model Number | OP265FAB | OP266W | OP291A | OP295A | OP298A |
|--|----------|------------------------------|----------|------------------|---------------|
| Package | T-1 | T-1 Flat 0.100" Lead Spacing | T-1 3/4 | T-1 3/4 | Plastic TO-18 |
| LED Wavelength (nm) | 850 | 890 | 890 | 890 | 890 |
| Output Power (mW/cm ²) Min/Max | 7.5/12.5 | 1.00/N/A | 16.0/N/A | 44.0/N/A | 3.0/N/A |
| I _F (mA) Typ/Max | 20/50 | 20/50 | 50/100 | 100/1,500 Pulsed | 50/100 |
| Beam Angle (Degrees) | 18 | 90 | 50 | 50 | 60 |
| Lead Length | 0.50" | 0.50" | 0.69" | 0.69" | 0.50" |

Reflective Object Sensors



| Model Number | OPB608A | OPB608B | OPB608V | OPB710F | OPB730 | OPB730F |
|-------------------------------|----------------------|----------------------|----------------------|------------------|------------------|------------------|
| Package | Mini-Cube Reflective | Mini-Cube Reflective | Mini-Cube Reflective | O-46 Reflective | TO-46 Reflective | TO-46 Reflective |
| Wavelength (nm) (Typ) | 890 | 890 | 850 | 935 | 935 | 935 |
| Sensor Type | Rbe Transistor | Rbe Transistor | Rbe Transistor | Transistor | Darlington | Darlington |
| Reflection Distance Inch (mm) | 0.050" (1.27 mm) | 0.050" (1.27 mm) | 0.050" (1.27 mm) | 0.250" (6.35 mm) | 0.250" (6.35 mm) | 0.250" (6.35 mm) |
| I _{C(ON)} (mA) Min | 2 | 1 | 5 | 0.15 | 1.00 | 1 |
| I _F (mA) Typ/Max | 20/50 | 20/50 | 7/12 | 20/50 | 20/50 | 20/50 |
| V _{CE} (V) Typ/Max | 30 | 30 | 30 | 30 | 15 | 15 |
| Lead Length/Spacing | 0.18"/0.24" | 0.18"/0.24" | 0.18"/0.24" | 0.50" | 0.50" DIA | 0.50" DIA |

Infrared Selected NPN Silicon Phototransistors



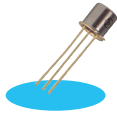
| Model Number | OP505A | OP506A | OP506B | OP550A |
|--|-------------|-------------|-------------|-------------|
| Package | T-1 | T-1 | T-1 | Sidelooker |
| Light Current I _{C(ON)} (mA) Min/Max | 4.30/N/A | 4.30/N/A | 2.15/5.95 | 2.55/N/A |
| V _{CE} (V) Max | 30 | 30 | 30 | 30 |
| Input Power E _e (mW/cm ²) | 1.00 | 1.00 | 1.00 | 1.00 |
| Viewing Angle (Degrees) | 25 | 25 | 25 | 60 |
| Lead Length/Spacing | 0.5"/0.050" | 0.5"/0.100" | 0.5"/0.100" | 0.5"/0.100" |

NPN Plastic Silicon Phototransistors



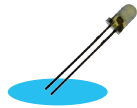
| Model Number | OP593A |
|--|---------------|
| Package | Plastic TO-18 |
| Light Current I _{C(ON)} (mA) Min/Max | 3.00/N/A |
| V _{CE} (V) Max | 30 |
| Input Power E _e (mW/cm ²) | 1.70 |
| Viewing Angle (Degrees) | 130 |
| Lead Length | 0.75" |

NPN Silicon Phototransistors



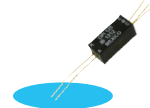
| Model Number | OP800A | OP802WSL | OP803SL | OP805SL |
|---|--------------------|-------------------|--------------------|--------------------|
| Package | TO-18/46 Dome Lens | TO-46 Flat Window | TO-18/46 Dome Lens | TO-18/46 Dome Lens |
| Light Current $I_{C(ON)}$ (mA) Min/Max | 3.60/N/A | 2.5/N/A | 4.00/8.00 | 15.00/N/A |
| V_{CE} (V) Max | 30 | 30 | 30 | 30 |
| Input Power E_E (mW/cm ²) | 0.5 | 5.00 | 5.00 | 5.00 |
| Viewing Angle (Degrees) | 25 | 75 | 25 | 25 |
| Lead Length | 0.5" | 0.5" | 0.50" | 0.50" |

NPN Silicon Photodarlington



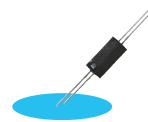
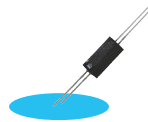
| Model Number | OP535B |
|---|-------------------------|
| Package | T-1 0.050" Lead Spacing |
| Light Current $I_{C(ON)}$ (mA) Min/Max | 3.5/32.0 |
| V_{CE} (V) (Max) | 2.0/15.0 |
| Input Power E_E (mW/cm ²) | 0.13 |
| Viewing Angle (Degrees) | 25 |
| Lead Length | 0.5" |

Optically Coupled Isolators



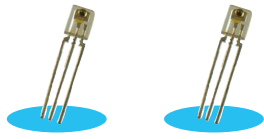
| Model Number | OPI120 |
|---------------------|---------------|
| Package | Axial Channel |
| LED Wavelength (nm) | 890 |
| Sensor Type | Transistor |
| CTR (Min/Max) | 20 |
| Isolation Voltage | 15 kV |
| I_F (mA) Typ/Max | 10/50 |
| V_{CE} (V) (Max) | 25 |
| Lead Length/Spacing | 0.40"/0.75" |

Optically Coupled Isolators



| Model Number | OPI110C | OPI1150 | OPI1264A | OPI1264B | OPI1264C |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Package | Axial-Cylindrical | Axial-Cylindrical | Axial-Cylindrical | Axial-Cylindrical | Axial-Cylindrical |
| Wavelength (nm) (Typ) | 890 | 890 | 890 | 890 | 890 |
| Sensor Type | Transistor | Transistor | Transistor | Transistor | Transistor |
| CTR (Min/Max) | 100/N/A | 10 | 25/N/A | 50/125 | 100/N/A |
| Isolation Voltage | 10 kV | 50 kV | 10 kV | 10 kV | 10 kV |
| I_F (mA) Typ/Max | 10/40 | 16/50 | 10/40 | 10/40 | 10/40 |
| V_{CE} (V) (Max) | 30 | 5/30 | 30 | 30 | 30 |
| Lead Length/Spacing | 0.50"/0.55" | 0.40"/3.16" | 0.50"/0.55" | 0.50"/0.55" | 0.50"/0.55" |

Photologic® Sensor



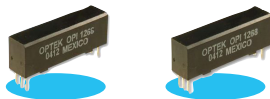
| Model Number | OPL530 | OPL550 |
|---|------------------------|------------------------|
| Package | Sidelooker 0.060" Base | Sidelooker 0.060" Base |
| Photologic | 10K Pull-Up | Totem-Pole |
| Input Power E_e (mW/cm ²) Min/Max | 0.12/0.38 | 0.25/2.4 |
| V_{CC} (V) (Min/Max) | 4.5/16.0 | 4.5/5.5 |
| Lead Length/Spacing | 0.50"/0.075" | 0.50"/0.075" |

Slotted Optical Switch



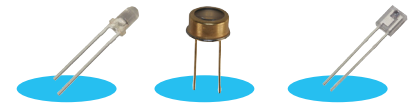
| Model Number | OPB610 | OPB620 |
|--|---------------|---------------|
| Package | Slotted N | Slotted N |
| Wavelength (nm) (Typ) | 890 | 890 |
| Slot Width/Depth | 0.150"/0.240" | 0.190"/0.285" |
| Aperture Emitter/Sensor | 0.06"/0.06" | 0.06"/0.06" |
| I_f (mA) Typ/Max | 20/50 | 20/50 |
| Light Current $I_{C(ON)}$ (mA) Min/Max | 1.0 /N/A | 1.0 /N/A |
| V_{CE} (V) (Max) | 24 | 24 |
| Lead Length/Spacing | 0.100"/0.275" | 0.100"/0.320" |

High-Voltage Isolators



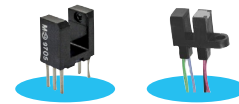
| Model Number | OPI1266 | OPI1268 |
|---------------------|----------------|----------------|
| Package | Side Channel | Side Channel |
| LED Wavelength (nm) | 890 | 890 |
| Sensor Type | Open Collector | Open Collector |
| Isolation Voltage | 16 kV | 16 kV |
| CTR (Min/Max) | Logic 15 mA | Logic 15 mA |
| tPLH/tPHL Typ (ns) | 800/800 | 100/200 |
| I_f (mA) Typ/Max | 13.5/50 | 10/50 |
| V_{CE} (V) (Max) | 7 | 18 |
| Lead Length/Spacing | 0.12"/0.98" | 0.40"/0.75" |

Photodiode Sensor



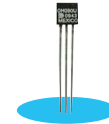
| Model Number | OP906 | OP913WSL | OP950 |
|---|--------------|--------------|------------------------|
| Package | T-1 | TO-5 | Sidelooker 0.060" Base |
| Light Current I_c Min/Max (μ A) | 16.0/35.0 | 40.0/N/A | 8.0/18.0 |
| V_R (V) (Max) | 60 | 32 | 60 |
| Input Power E_e (mW/cm ²) | 0.5 | 5.0 | 1.00 |
| Viewing Angle (Degrees) | 95 | 80 | 95 |
| Lead Length/Spacing | 0.50"/0.100" | 0.50"/0.200" | 0.50"/0.100" |

Photologic® Slotted Optical Switch



| Model Number | OPB625 | OPB627 |
|----------------------------|---------------|---------------|
| Package | Slotted N | Slotted N |
| Sensor Type | 10K Pull-up | Inv-10K |
| Gap Width/Depth | 0.190"/0.285" | 0.190"/0.285" |
| Aperture Emitter/Sensor | 0.06"/0.06" | 0.06"/0.06" |
| Wavelength (nm) (Typ) | 890 | 890 |
| I_f (mA) Typ/Max | 20/50 | 20/50 |
| I_{CCL}/I_{CCH} (mA) Max | 12/12 | 12/12 |
| V_{CC} (V) (Max) | 4.5/16.0 | 4.5/16.0 |
| Lead Length/Spacing | 0.100"/0.320" | 0.100"/0.320" |

Hallogic Hall Effect Sensors



| Model Number | OH090U |
|-------------------------------------|------------------------|
| Package | Side Sensing TO-92 |
| Output Type | Uni-Polar Non-Latching |
| Operating Point Gauss (Min/Typ/Max) | 0/90/180 |
| Release Point Gauss (Min/Typ/Max) | -100/65/100 |
| Hysteresis Gauss (Min/Typ/Max) | 10/25/100 |
| V_{CC} (Volts) Min/Max | 4.5/24.0 |