Reflective Object Sensor

OPB700Z, OPB700ALZ
OPB701Z, OPB701ALZ

Features:

- Low profile to facilitate stacking
- Low cost plastic housing
- Choice of phototransistor or photodarlington output
- #26 AWG lead wire in 4” (101 mm), or 18” (457 mm) lengths

Description:

OPB700 and **OPB700ALZ** sensors consist of an infrared emitting diode and a NPN silicon phototransistor, mounted side-by-side on converging optical axes in a black plastic housing.

OPB701 and **OPB701ALZ** sensors consist of an infrared emitting diode and a NPN silicon photodarlington, mounted side-by-side on converging optical axes in a black plastic housing.

The interconnect wires for these devices are are UL approved #26 AWG, with Teflon insulation, stripped and tinned. The **OPB700 and OPB701** have 4” (101 mm) wire length while the **OPB700ALZ and OPB701ALZ** have 18” (457 mm) wire length.

Custom electrical, wire, cabling and connectors are available. Contact your local representative or OPTEK for more information.

Applications:

- Non-contact reflective object sensor
- Assembly line automation
- Machine automation
- Machine safety
- End of travel sensor
- Door sensor

Ordering Information				
Part Number	**LED Peak Wavelength**	**Sensor**	**Reflection Distance Inch (mm)**	**Lead Length / Spacing**
OPB700Z	890 nm	Transistor	0.200" (5.08mm)	4" / 26 AWG Wire
OPB700ALZ				18" / 26 AWG Wire
OPB701Z		Darlington		4" / 26 AWG Wire
OPB701ALZ				18" / 26 AWG Wire

RoHS

General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics’ own data and is considered accurate at time of going to print.

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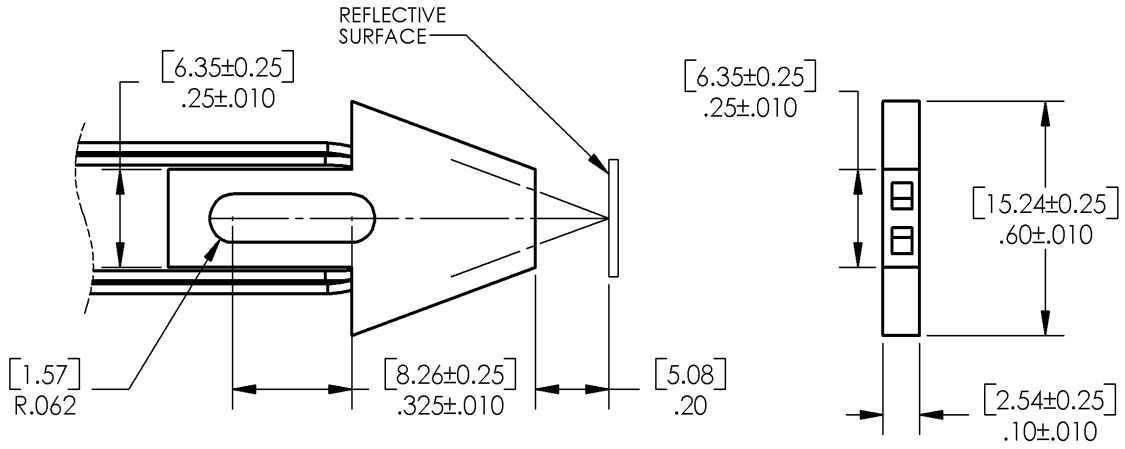
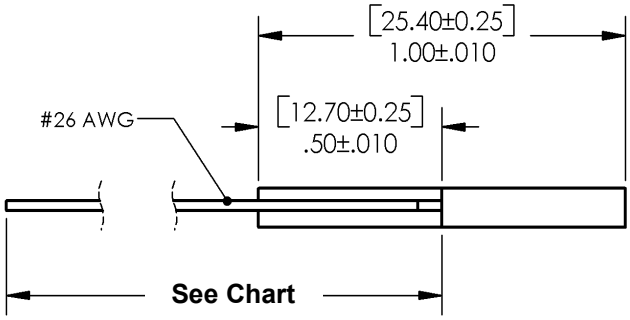
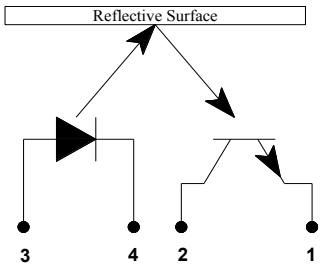
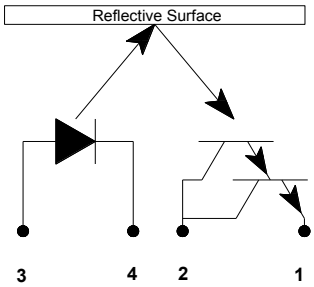
OPB700Z, OPB701Z





DIMENSIONS ARE IN: **[MILLIMETERS]**
INCHES





Part Number	Wire Length
OPB700Z	4” Min
OPB700ALZ	18” Min
OPB701Z	4” Min
OPB701ALZ	18” Min

OPB701			
Color/Pin #	**LED**	**Color/Pin #**	**LED**
Red-3	Anode	White-2	Collector
Black-4	Cathode	Green-1	Emitter

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