

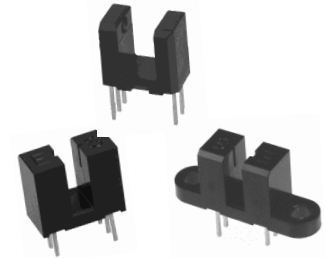
Photologic® Slotted Optical Switch



OPB615, OPB616, OPB617, OPB618 Series

OPB625, OPB626, OPB627, OPB628 Series

OPB665, OPB666, OPB667, OPB668 (N and T Series)



Features:

- Non-contact switching
- PCBoard mounting
- Enhanced signal to noise ratio
- Choice of four Logical output options

Description:

Each OPB615, OPB625 and OPB665 series slotted optical switch consists of an 890 nm, infrared Light Emitting Diode (LED) and a monolithic integrated circuit that incorporates a photodiode, a linear amplifier and a Schmitt trigger on a single silicon chip. OPB655 offers two mounting options—no tabs (N) or two tabs (T).

All devices in this series exhibit performance over supply voltages ranging from 4.5 V to 16.0 V, and may be specified as Buffered or Inverted with 10 Kw Pull-up or Open Collector output. Devices are also TTI/LST TL compatible and can drive up to 10 TTL loads.

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

Applications:

- Mechanical switch replacement
- Speed indication (tachometer)
- Mechanical limit indication
- Edge sensing

Ordering Information						
Part Number	Package Style	Sensor Photologic®	Aperture Emitter / Sensor	Slot Width / Depth	Lead Length / Spacing	
OPB615	N	10K Pull-up	None	0.150" / 0.240"	0.100" (min) / 0.275"	
OPB616		Open Collector				
OPB617		Inv-10K Pull-up				
OPB618		Inv-Open Collector				
OPB625		10K Pull-up	None	0.190" / 0.285"	0.100" (min) / 0.320"	
OPB626		Open Collector				
OPB627		Inv-10K Pull-up				
OPB628		Inv-Open Collector				
OPB665N		10K Pull-up	0.05"/ 0.01"	0.125" / 0.345"		
OPB666N		Open Collector				
OPB667N		Inv-10K Pull-Up				
OPB668N		Inv-Open Collector				
OPB665T	10K Pull-up					
OPB666T	Open Collector					
OPB667T	Inv-10K Pull-up					
OPB668T	Inv-Open Collector					



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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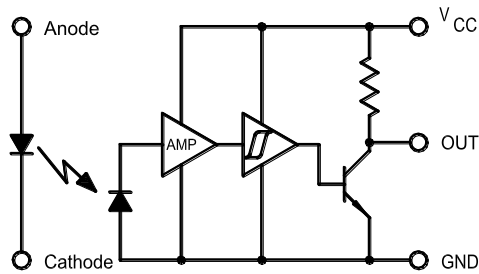


OPB615, OPB616, OPB617, OPB618 Series

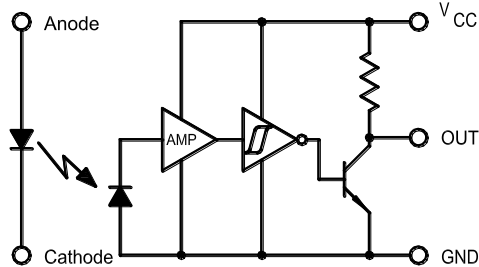
OPB625, OPB626, OPB627, OPB628 Series

OPB665, OPB666, OPB667, OPB668 (N and T Series)

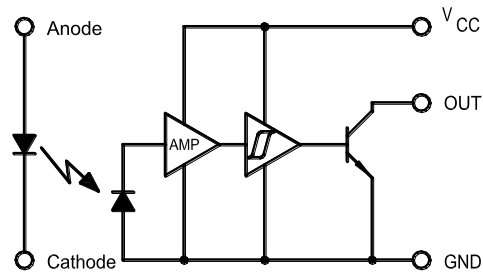
OPB615/625/665N Buffered 10K Pull-Up



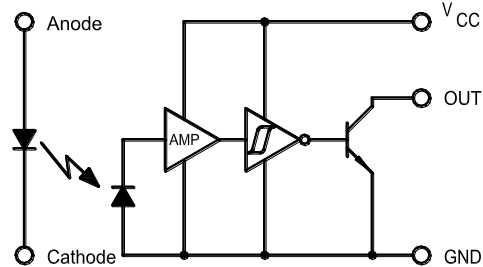
Photologic with Pull-Up-Resistor Inverted Output



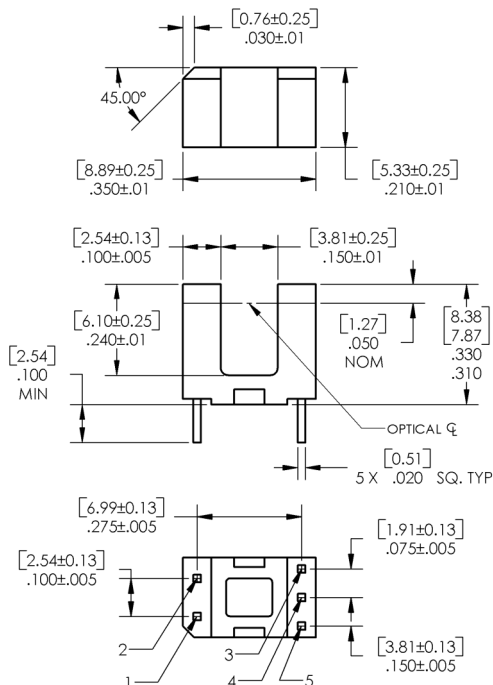
OPB 616/626/666N Buffered Open-Collector



Photologic with Open Collector Inverted Output



OPB615, OPB616, OPB617, OPB618



Pin Color/ Number	Description
1	Anode
2	Cathode
3	Vcc
4	Output
5	Ground

DIMENSIONS ARE IN: [MILLIMETERS]
INCHES

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