

# Slotted Optical Switch

## OPB830 and OPB840 (L and W)



### Electrical Characteristics (T<sub>A</sub> = 25°C unless otherwise noted)

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
<b>Combined</b>						
V <sub>CE(SAT)</sub>	Collector-Emitter Saturation Voltage Parameter A (OPB830L,OPB840L) (OPB835L, OPB845L) (OPB830W,OPB840W) (OPB835W, OPB845W)	-	-	0.4	V	I <sub>C</sub> = 400 μA, I <sub>F</sub> = 20 mA
	Parameter B (OPB831L,OPB841L) (OPB836L,OPB846L) (OPB831W,OPB841W) (OPB836W,OPB846W)	-	-	0.4	V	I <sub>C</sub> = 800 μA, I <sub>F</sub> = 10 mA
	Parameter C (OPB832L,OPB842L) (OPB837L,OPB847L) (OPB832W,OPB842W) (OPB837W,OPB847W)	-	-	0.6	V	I <sub>C</sub> = 1800 μA, I <sub>F</sub> = 20 mA
I <sub>C(ON)</sub>	On-State Collector Current Parameter A (OPB830L,OPB840L) (OPB835L, OPB845L) (OPB830W,OPB840W) (OPB835W, OPB845W)	0.625	-	-	mA	V <sub>CE</sub> = 10 V, I <sub>F</sub> = 20 mA
	Parameter B (OPB831L,OPB841L) (OPB836L,OPB846L) (OPB831W,OPB841W) (OPB836W,OPB846W)	1.250	-	-	mA	V <sub>CE</sub> = 5 V, I <sub>F</sub> = 10 mA
	Parameter C (OPB832L,OPB842L) (OPB837L,OPB847L) (OPB832W,OPB842W) (OPB837W,OPB847W)	2.250	-	-	mA	V <sub>CE</sub> = .6 V, I <sub>F</sub> = 20 mA

#### 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.

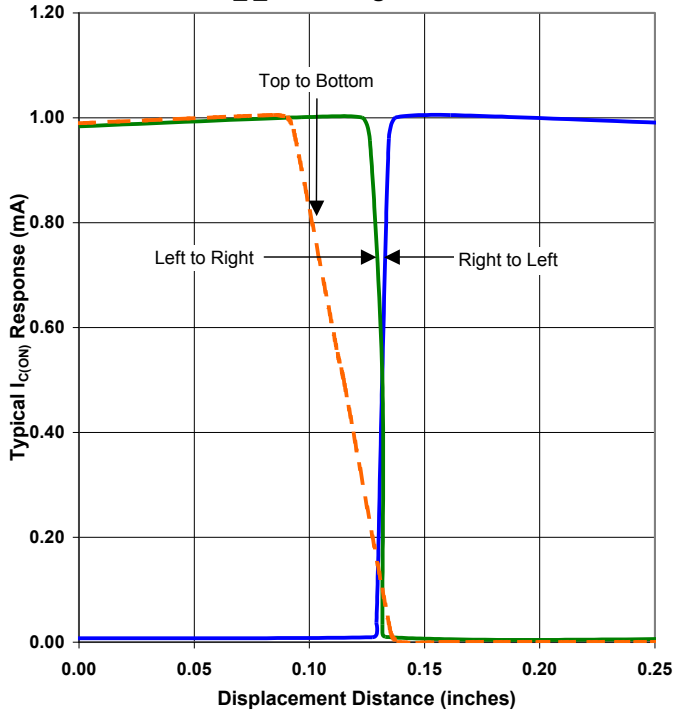
TT Electronics | Optek Technology, Inc.  
1645 Wallace Drive, Ste. 130, Carrollton, TX USA 75006 | Ph: +1 972 323 2200  
www.ttelectronics.com | sensors@ttelectronics.com

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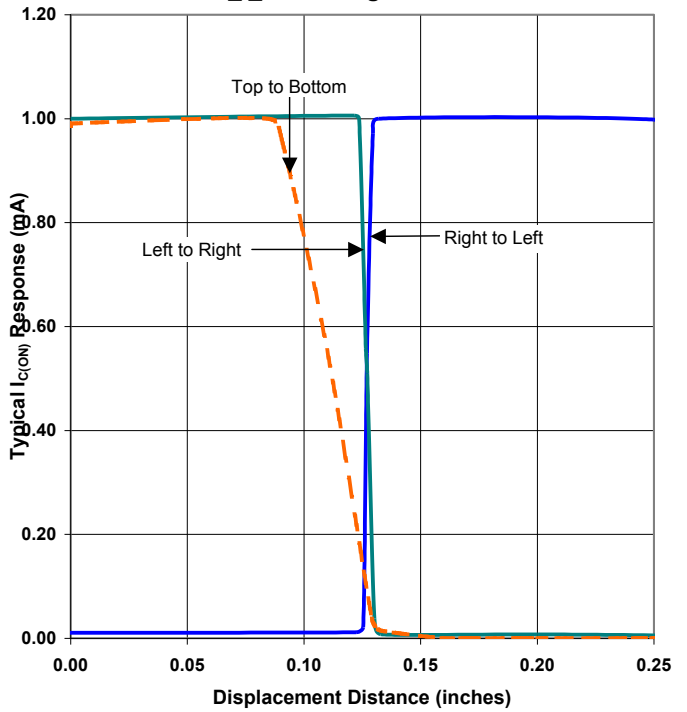
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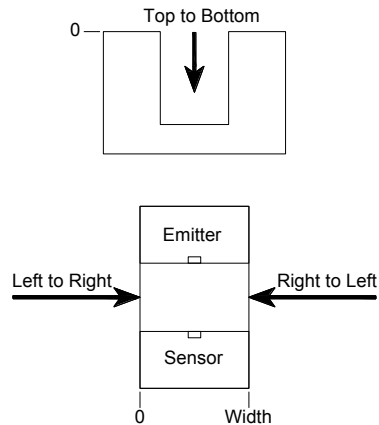
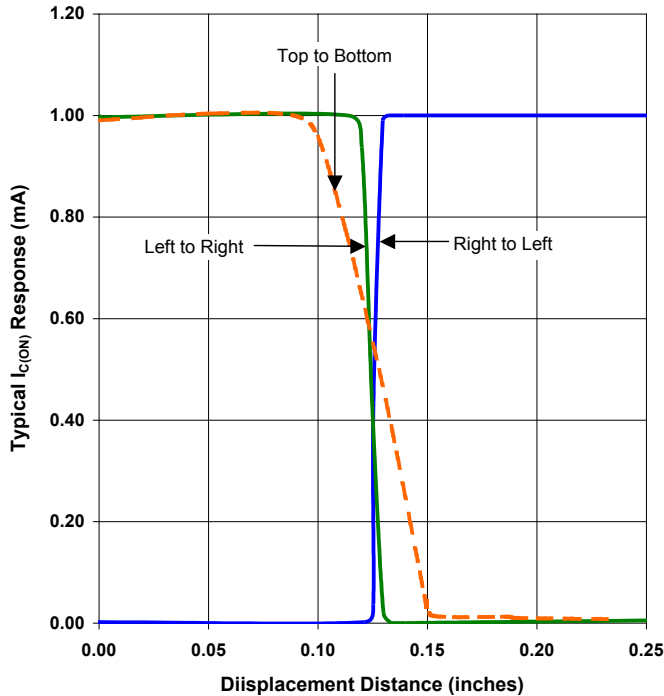
OPB8\_\_ L11 - Flag Next to Emitter



OPB8\_\_ L11 - Flag Next to Sensor



OPB8\_\_ L11 - Flag in Middle of Slot



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 1645 Wallace Drive, Ste. 130, Carrollton, TX USA 75006 | Ph: +1 972 323 2200  
[www.ttelectronics.com](http://www.ttelectronics.com) | [sensors@ttelectronics.com](mailto:sensors@ttelectronics.com)