

# Slotted Optical Switch

## OPB830 and OPB840 (L and W)



### Electrical Characteristics ( $T_A = 25^\circ\text{C}$ unless otherwise noted)

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

**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.

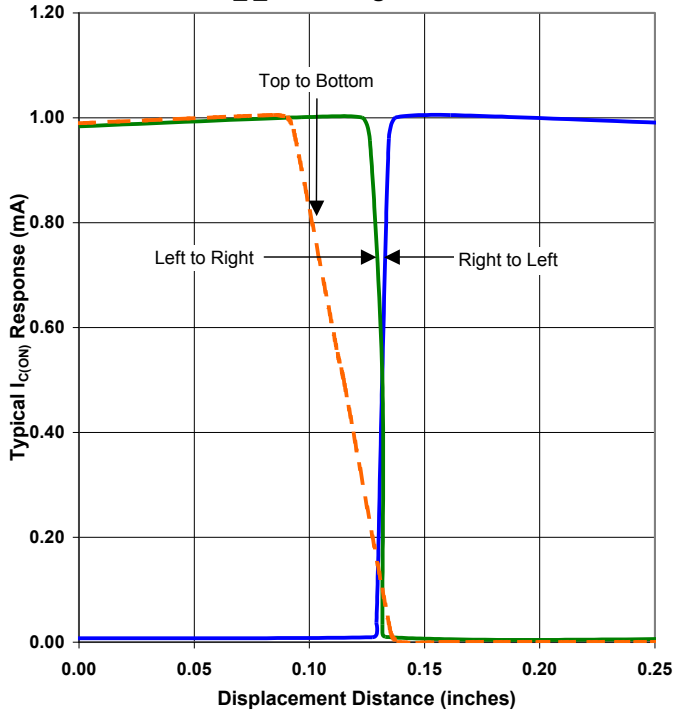
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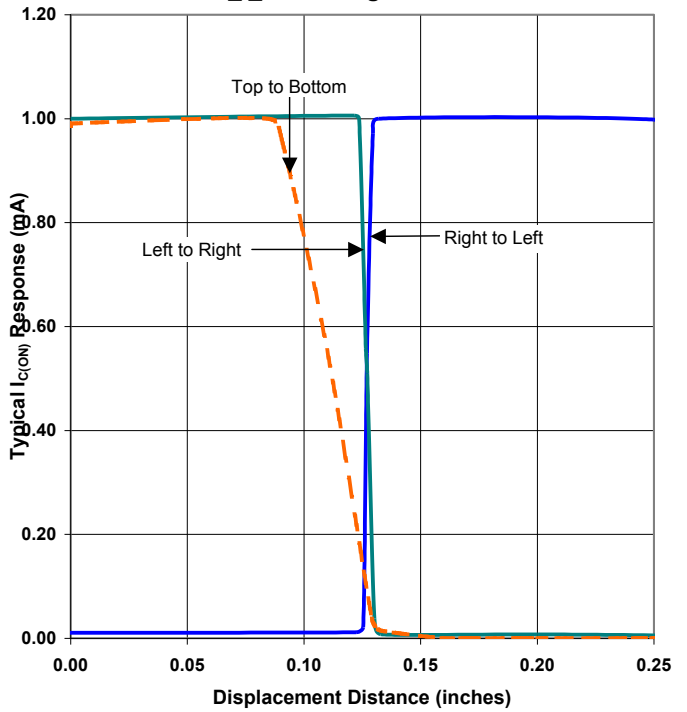
## OPB830 and OPB840 (L and W)



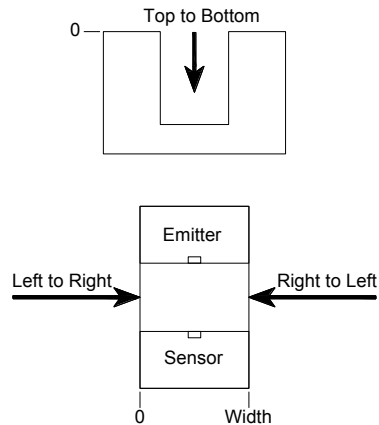
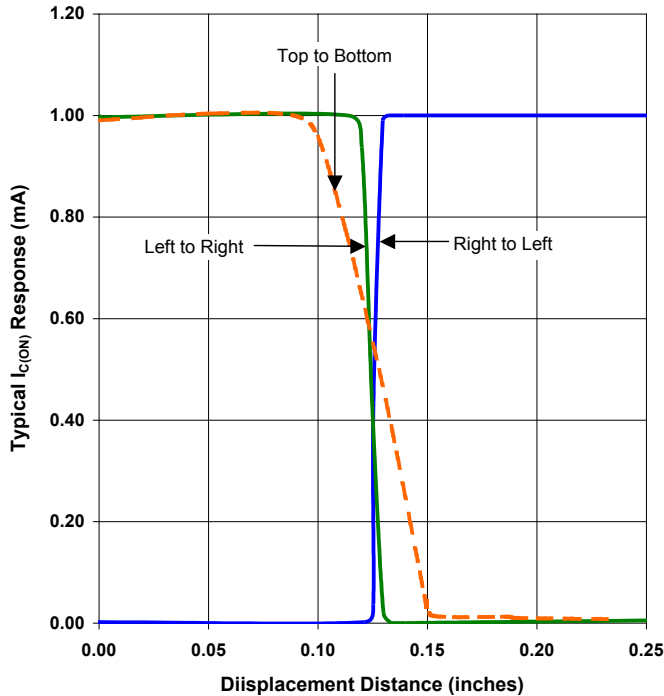
OPB8\_\_ L11 - Flag Next to Emitter



OPB8\_\_ L11 - Flag Next to Sensor



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



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