

## Specification Change Notice



### CH Super Miniature Lighted Pushbutton Switch [LED]

We would like to inform you that specification of LED (Super Blue, Super White, Super Green) for external resistor type will be changed after October 1, 2009. The details are as follows.

#### EXTERNAL RESISTOR (Super CH LED COLOR)

SB=Super Blue, SG=Super Green, SW=Super White

Square Until September 30, 2009	Full-Face						Split-Face					
	DC5V			DC12V · 24V			DC5V			DC12V · 24V		
	SB	SG	SW	SB	SG	SW	SB	SG	SW	SB	SG	SW
Max. operating current I <sub>FM</sub> (mA)	40	40	30	20	20	15	20	20	15	20	20	15
DC reverse voltage V <sub>R</sub> (V)	5	5	5	10	10	10	5	5	5	5	5	5
Forward voltage V <sub>F</sub> (V) I <sub>F</sub> =20	3.4	3.3	3.2	6.8	6.6	6.4	3.4	3.3	3.2	3.4	3.3	3.2
Recommended operating current I <sub>F</sub> (mA)	30	15	21	15	8	11	15	8	11	10	5	8

Square After October 1, 2009	Full-Face						Split-Face					
	DC5V			DC12V · 24V			DC5V			DC12V · 24V		
	SB	SG	SW	SB	SG	SW	SB	SG	SW	SB	SG	SW
Max. operating current I <sub>FM</sub> (mA)	40	40	40	20	20	20	20	20	20	20	20	20
DC reverse voltage V <sub>R</sub> (V)	5	5	5	10	10	10	5	5	5	5	5	5
Forward voltage V <sub>F</sub> (V) I <sub>F</sub> =5	2.9	3.1	2.9	5.8	6.2	5.8	2.9	3.1	2.9	2.9	3.1	2.9
Recommended operating current I <sub>F</sub> (mA)	30	15	21	15	8	11	15	8	11	10	5	8

Rect. Until September 30, 2009	Full-Face						Split-Face					
	DC5V			DC12V · 24V			DC5V			DC12V · 24V		
	SB	SG	SW	SB	SG	SW	SB	SG	SW	SB	SG	SW
Max. operating current I <sub>FM</sub> (mA)	40	40	30	20	20	15	20	40	30	20	20	15
DC reverse voltage V <sub>R</sub> (V)	5	5	5	10	10	10	5	5	5	5	10	5
Forward voltage V <sub>F</sub> (V) I <sub>F</sub> =20	3.4	3.3	3.2	6.8	6.6	6.4	3.4	3.3	3.2	6.8	6.6	6.4
Recommended operating current I <sub>F</sub> (mA)	30	15	21	15	8	11	15	15	21	10	5	8

Rect. After October 1, 2009	Full-Face						Split-Face					
	DC5V			DC12V · 24V			DC5V			DC12V · 24V		
	SB	SG	SW	SB	SG	SW	SB	SG	SW	SB	SG	SW
Max. operating current I <sub>FM</sub> (mA)	40	40	40	20	20	20	20	40	40	20	20	20
DC reverse voltage V <sub>R</sub> (V)	5	5	5	10	10	10	5	5	5	5	10	5
Forward voltage V <sub>F</sub> (V) I <sub>F</sub> =5	2.9	3.1	2.9	5.8	6.2	5.8	2.9	3.1	2.9	5.8	6.2	5.8
Recommended operating current I <sub>F</sub> (mA)	30	15	21	15	8	11	15	15	21	10	5	8