Contact No. 226

Change Notice

KP Series Illuminated Pushbuttons

Change of Super Bright Bicolor LED Specifications for KP Series

Type of Change:

- ☑ Engineering
- ☑ Product
- ☐ Part Number
- ☑ Appearance

All models of KP01 and KP02 Pushbuttons with super bright bicolor LEDs will have a change to the specifications for both Red and Green. The change will effect all standard and custom products for the KP Series.

KP01 Series

KP02 Series

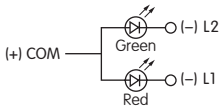
SUPER BRIGHT BICOLOR LED SPECIFICATIONS

ATTENTION
ELECTROSTATIC SENSITIVE DEVICES

KP Series illuminated pushbuttons are electrostatic sensitive.

The electrical specifications shown are determined at a basic temperature of 25°C.

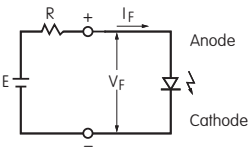
Amber can be achieved by simultaneous illumination of Red and Green.



Colors		Before Change 6CF Red	Before Change 6CF Green	After Change 6CF Red	After Change 6CF Green	Unit
Minimum Luminous Intensity	I_V	450	820	230	220	mcd
Standard Luminous Intensity	I_V	700	1100	290	270	mcd
Maximum Forward Current	I_{FM}	30 (25 for Amber)	25 (22 for Amber)	30 (25 for Amber)	25 (22 for Amber)	mA
Typical Forward Current	I_F	15	15	15	5	mA
Typical Forward Current for Alternating Legends	I_F			25	15	mA
Forward Voltage	V_F	2.1	3.2	2.0	3.1	V
Maximum Power Dissipation	P_D	63	80	72	88	mW
Maximum Reverse Voltage	V_{RM}	5	5	5	7	V
Wavelength at Maximum Emission	λ	630 ~ 640	520 ~ 535	620 ~ 630	528 ~ 538	nm
Current Reduction Rate Above 25°C	ΔI_F	0.40	0.36	0.40	0.36	mA/°C
Ambient Temperature Range		–25 ~ +50		–25 ~ +50		°C

Notes

- LEDs are an integral part of the switch and are not available separately.
- The LED circuit is isolated and requires an external power source.
- If the source voltage exceeds the rated voltage, a ballast resistor is required. The resistor value can be calculated by using the formula shown here.
- The changes to KP Series LEDs do not affect any external dimensions of the switches.
- Contact the factory if further details are needed.



$$R = \frac{E - V_F}{I_F}$$

Where: R = Resistor Value (Ohms)
E = Source Voltage (V)
V_F = Forward Voltage (V)
I_F = Forward Current (A)

Effective Date

Changes to KP Series LEDs will be effective with June 2014 production.

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