

# Change Notice

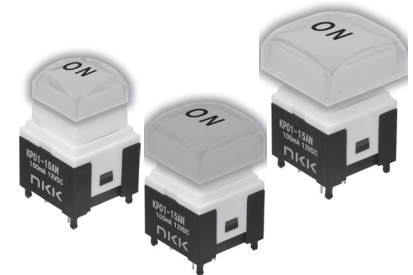
# KP Series

## Changes to LED Specification for KP Illuminated Pushbuttons

Type of Change:

- Engineering     Part Number
- Product         Appearance

The KP Illuminated Pushbuttons will have changes to the LED specifications for RGB. Also, the dimensions of the LED and the LED holder will be modified. These revisions, however, will not be visible, as they are inside the switch case. These changes will effect all models, both standard and custom. The specification changes are outlined below, followed by effected standard part numbers.



KP Illuminated Pushbuttons

RGB LED SPECIFICATIONS									
The electrical specifications shown are determined at a basic temperature of 25°C. LEDs are an integral part of the switch and are not available separately. 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 in the Supplement Section. Note: For applications that require white illumination, contact factory.			Before Change			After Change			Unit
			RGB			RGB			
	Color	Red	Green	Blue	Red	Green	Blue		
	Maximum Forward Current	$I_{FM}$	30	30	30	50	30	30	mA
	Typical Forward Current	$I_F$	20	14	9	15	16	10	mA
	* Forward Voltage	$V_F$	2.0	2.9	2.9	2.0	2.9	2.9	V
	Power Peak Dissipation	$P_D$	60	80	80	100	80	80	mW
	Maximum Reverse Voltage	$V_{RM}$	5	5	5	5	5	5	V
	Dominant Wavelength	$\lambda_d$	621.5	522.5	472.5	620	525	467	nm
	Current Reduction Rate Above 25°C	$\Delta I_F$	0.50	0.50	0.50	0.75	0.25	**0.22	mA/°C
Ambient Temperature Range		-25 ~ +50			-25 ~ +50			°C	

\*Forward Voltage (VF) and Dominant Wavelength (λd) are Typical Value measured by Typical Forward Current (IF). \*\*Current Reduction Rate (ΔIF) Above 40°C

TERMINAL DETAIL	
<p>Before Change</p>	<p>After Change</p>

DISCONTINUATION AND REPLACEMENT OF PRODUCTS			
Discontinued	Replacement	Discontinued	Replacement
KP0115ACAKG03RGB	KP0115ACAKG03RGBP	KP0215ACBKG03RGB	KP0215ACBKG03RGBP
KP0115ACBKG03RGB	KP0115ACBKG03RGBP	KP0215ANAKG03RGB	KP0215ANAKG03RGBP
KP0115ANAKG03RGB	KP0115ANAKG03RGBP	KP0215ANBKG03RGB	KP0215ANBKG03RGBP
KP0115ANBKG03RGB	KP0115ANBKG03RGBP	KP0215ASAKG03RGB	KP0215ASAKG03RGBP
KP0215ACAKG03RGB	KP0215ACAKG03RGBP	KP0215ASBKG03RGB	KP0215ASBKG03RGBP

\*\*Note: The upper part number is followed by optional cap option.

### Effective Date

Changes to KP Illuminated Pushbutton will be effective May 2017.