

# NKK Low Profile Pushbutton Switches



## Bright LEDs

LED Specifications	Color		
	Red	Amber	Green
Forward peak current	30mA	30mA	25mA
Cont. forward current	20mA	20mA	20mA
Forward voltage	1.85V	2V	2.1V
Reverse peak voltage	5V	5V	5V
Crit. reduction rate above 25°C	0.40mA/°C	0.42mA/°C	0.46mA/°C
Ambient temp. range	-25°C ~ +50°C		

## UB Series Super Bright LEDs

LED Specifications	Color		
	Red	Amber	Green
Forward peak current	25mA	25mA	25mA
Cont. forward current	20mA	20mA	20mA
Forward voltage	3.8V	3.8V	3.8V
Reverse peak voltage	5V	5V	5V
Crit. reduction rate above 25°C	0.47mA/°C	0.47mA/°C	0.47mA/°C
Ambient temp. range	-25°C ~ +50°C		

## UB2 Series Super Bright LEDs

LED Specifications	Color			
	White	Green	Blue	Red/Green
Forward peak current	25mA	25mA	25mA	30/25mA
Cont. forward current	20mA	20mA	20mA	20/20mA
Forward voltage	3.6V	3.5V	3.6V	2.1/3.5V
Reverse peak voltage	5V	5V	5V	4/4V
Crit. reduction rate above 25°C	0.40mA/°C	0.40mA/°C	0.40mA/°C	0.4/0.33mA/°C
Ambient temp. range	-25°C ~ +50°C			

## NKK UB2 SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

### Specifications:

- Contacts & ratings: Silver 5A @ 125/250VAC
- Full face and spot illumination caps
- Bright and super bright LEDs
- Solder lug
- Sculptured Caps

\* Spot Illumination



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Colors			Price Each		
				LED	Cap	Diffuser	1	25	50
633-UB15KKW015CJC-RO	UB15KKW015C-JC	A	SPDT On-(On)	Bright Red	Clear	Red	9.21	8.29	7.71
633-UB15KKW015DJD-RO	UB15KKW015D-JD	A	SPDT On-(On)	Bright Amber	Clear	Amber	9.21	8.29	7.71
633-UB15KKW015FJF-RO	UB15KKW015F-JF	A	SPDT On-(On)	Bright Green	Clear	Green	9.21	8.29	7.71
633-UB15KKW015CJCC-RO	UB15KKW015C-CC	A	SPDT On-(On)	Bright Red	Red	Red	7.83	7.57	7.33
633-UB15KKW015DCC-RO	UB15KKW015D-CC	A	SPDT On-(On)	Bright Amber	Amber	Amber	7.83	7.35	7.33
633-UB15KKW015FF-RO	UB15KKW015F-FF	A	SPDT On-(On)	Bright Green	Green	Green	9.91	7.65	7.43
633-UB15KKW015CAB-RO	UB15KKW015C-AB	A	SPDT On-(On)	Bright Red	Black	Red*	9.25	8.33	7.75
633-UB15KKW015DAB-RO	UB15KKW015D-AB	A	SPDT On-(On)	Bright Amber	Black	Amber*	9.73	8.76	8.15
633-UB15KKW015FAB-RO	UB15KKW015F-AB	A	SPDT On-(On)	Bright Green	Black	Green*	9.25	8.33	7.75
633-UB16KKW015CJC-RO	UB16KKW015C-JC	A	SPDT On-On	Bright Red	Clear	Red	8.79	7.91	7.36
633-UB16KKW015FJF-RO	UB16KKW015F-JF	A	SPDT On-On	Bright Green	Clear	Green	10.10	9.09	8.46
633-UB16KKW015CJCC-RO	UB16KKW015C-CC	A	SPDT On-On	Bright Red	Red	Red	8.55	8.28	8.03
633-UB16KKW015DCC-RO	UB16KKW015D-CC	A	SPDT On-On	Bright Amber	Amber	Amber	8.25	7.91	7.36
633-UB16KKW015FF-RO	UB16KKW015F-FF	A	SPDT On-On	Bright Green	Green	Green	8.55	8.28	8.03
633-UB16KKW015CAB-RO	UB16KKW015C-AB	A	SPDT On-On	Bright Red	Black	Red*	10.03	9.03	8.40
633-25KKW015CJC-RO	UB25KKW015C-JC	A	DPDT On-(On)	Bright Red	Clear	Red	11.70	10.56	9.80
633-25KKW015FJF-RO	UB25KKW015F-JF	A	DPDT On-(On)	Bright Green	Clear	Green	11.70	10.56	9.80
633-25KKW015CJCC-RO	UB25KKW015C-CC	A	DPDT On-(On)	Bright Red	Red	Red	9.92	9.60	9.30
633-25KKW015DCC-RO	UB25KKW015D-CC	A	DPDT On-(On)	Bright Amber	Amber	Amber	9.92	9.60	9.30
633-25KKW015FF-RO	UB25KKW015F-FF	A	DPDT On-On	Bright Green	Clear	Green	12.33	11.14	10.33
633-UB26KKW015F-RO	UB26KKW015F-FF	A	DPDT On-On	Bright Green	Green	Green	9.62	9.31	9.02
633-UB26KKW015CAB-RO	UB26KKW015C-AB	A	DPDT On-On	Bright Red	Black	Red	13.16	11.88	11.03
633-UB26KKW015DAB-RO	UB26KKW015D-AB	A	DPDT On-On	Bright Amber	Black	Amber*	13.76	11.65	10.21
633-UB15KKW016B-JB	UB15KKW016B-JB	A	SPDT On-(On)	Super Bright White	Clear	White*	22.42	20.23	18.78
633-UB15KKW016F-JB	UB15KKW016F-JB	A	SPDT On-(On)	Super Bright Green	Clear	White	22.42	20.23	18.78
633-UB15KKW016G-JB	UB15KKW016G-JB	A	SPDT On-(On)	Super Bright Blue	Clear	White	22.42	20.23	18.78
633-UB16KKW016G-JB	UB16KKW016G-JB	A	SPDT On-On	Super Bright Blue	Clear	White	23.29	21.03	19.51
633-UB25KKW016B-JB	UB25KKW016B-JB	A	DPDT On-(On)	Super Bright White	Clear	White	24.79	22.39	20.78
633-UB26KKW016G-JB	UB26KKW016G-JB	A	DPDT On-On	Super Bright Blue	Clear	White	25.44	22.97	21.31
633-215KKW015C-1JB	UB215KKW015C-1JB	B	SPDT On-(On)	Bright Red	Clear	White	12.02	11.54	10.82
633-215KKW015D1JB-RO	UB215KKW015D-1JB	B	SPDT On-(On)	Bright Amber	Clear	White	11.53	11.07	10.38
633-215KKW015F1JB-RO	UB215KKW015F-1JB	B	SPDT On-(On)	Bright Green	Clear	White	11.53	11.07	10.38
633-215KKW015C1JC-RO	UB215KKW015C-1JC	B	SPDT On-(On)	Bright Red	Clear	Red	11.53	11.07	10.38
633-215KKW015D1JD-RO	UB215KKW015D-1JD	B	SPDT On-(On)	Bright Amber	Clear	Amber	11.53	11.07	10.38
633-215KKW015F1JF-RO	UB215KKW015F-1JF	B	SPDT On-(On)	Bright Green	Clear	Green	11.53	11.07	10.38
633-215KKW016CF-1JB	UB215KKW016CF-1JB	B	SPDT On-(On)	Super Bright R/G	Clear	White	16.11	15.47	14.50
633-216KKW015C1JB-RO	UB216KKW015C-1JB	B	SPDT On-On	Bright Red	Clear	White	12.33	11.65	9.70
633-216KKW015F1JB-RO	UB216KKW015F-1JB	B	SPDT On-On	Bright Green	Clear	White	12.33	11.65	9.70
633-216KKW015D1JB-RO	UB216KKW015D-1JB	B	SPDT On-On	Bright Red	Clear	Red	12.81	12.10	9.70
633-216KKW015D1JD-RO	UB216KKW015D-1JD	B	SPDT On-On	Bright Amber	Clear	Amber	12.33	11.65	10.21
633-225KKW015C1JB-RO	UB225KKW015C-1JB	B	DPDT On-(On)	Bright Red	Clear	White	13.28	12.76	11.96
633-225KKW015F1JB-RO	UB225KKW015F-1JB	B	DPDT On-(On)	Bright Green	Clear	White	13.28	12.76	11.65
633-225KKW015D1JB-RO	UB225KKW015D-1JB	B	DPDT On-(On)	Bright Red	Clear	Green	13.28	12.76	11.65
633-226KKW015C1JB-RO	UB226KKW015C-1JB	B	DPDT On-On	Bright Green	Clear	White	14.38	13.71	12.65
633-226KKW015D1JB-RO	UB226KKW015D-1JB	B	DPDT On-On	Bright Amber	Clear	White	17.14	13.71	12.65
633-226KKW015F1JB-RO	UB226KKW015F-1JB	B	DPDT On-On	Bright Green	Clear	White	14.38	13.71	12.65
633-226KKW015C1JC-RO	UB226KKW015C-1JC	B	DPDT On-On	Bright Red	Clear	Red	14.38	13.71	12.65
633-226KKW015D1JD-RO	UB226KKW015D-1JD	B	DPDT On-On	Bright Amber	Clear	Amber	14.38	13.71	12.65
633-226KKW015F1JF-RO	UB226KKW015F-1JF	B	DPDT On-On	Bright Green	Clear	Green	14.38	13.71	12.65
633-215KKW016B1JB-RO	UB215KKW016B-1JB	B	SPDT On-(On)	Super Bright White	Clear	White	24.04	21.70	20.14
633-215KKW016G1JB-RO	UB215KKW016G-1JB	B	SPDT On-(On)	Super Bright Blue	Clear	White	24.04	21.70	20.14
633-216KKW016B1JB-RO	UB216KKW016B-1JB	B	SPDT On-On	Super Bright White	Clear	White	24.86	22.44	20.83
633-216KKW016G1JB-RO	UB216KKW016G-1JB	B	SPDT On-On	Super Bright Blue	Clear	White	26.64	24.44	20.83
633-226KKW016B1JB-RO	UB226KKW016B-1JB	B	DPDT On-On	Super Bright White	Clear	White	27.60	24.91	23.13
633-226KKW016F1JB-RO	UB226KKW016F-1JB	B	DPDT On-On	Super Bright Green	Clear	White	29.58	22.18	21.63
633-226KKW016G1JB-RO	UB226KKW016G-1JB	B	DPDT On-On	Super Bright Blue	Clear	White	27.60	24.91	23.13

**DIMENSIONS: in.**

**Diagram A:** Dimensions include 0.472" height, 0.098" cap height, 0.394" width, and 0.197" base height.

**Diagram B:** Dimensions include 0.748" width, 0.118" height, 0.610" base height, and 0.600" Sq. base width.

**Diagram C:** Dimensions include 0.472" height, 0.098" cap height, 0.394" width, and 0.197" base height.

Options shown: Transparent Cap, Colored Diffuser, Black w/Spot Illumination, Clear Lens, Colored Diffuser.

## NKK UB SERIES: LOW PROFILE NON-ILLUMINATED PUSHBUTTONS

- Contacts ratings: Silver 5A @ 125/250VAC  
Gold 0.4VA max @ 28VAC/DC max.
- Solder lug

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit (SPDT)	Contacts	Cap Color	Price Each			
						1	25	50	100
633-UB15KKW01N-A	UB15KKW01N-A	C	SPDT On-(On)	Silver	Black	8.59	8.14	7.13	6.51
633-UB15KKW01N-B	UB15KKW01N-B	C	SPDT On-(On)	Silver	White	7.57	6.82	6.34	5.92
633-UB15KKW01N-C	UB15KKW01N-C	C	SPDT On-(On)	Silver	Red	7.28	6.56	6.10	5.70
633-UB16KKW01N-A	UB16KKW01N-A	C	SPDT On-On	Silver	Black	8.15	7.34	6.83	6.38
633-UB16KKW01N-C	UB16KKW01N-C	C	SPDT On-On	Silver	Red	7.46	6.72	6.25	5.84
633-UB15KKG01N-A	UB15KKG01N-A	C	SPDT On-(On)	Gold	Black	8.18	7.38	6.85	6.41
633-UB15KKG01N-C	UB15KKG01N-C	C	SPDT On-(On)	Gold	Red	7.76	7.00	6.50	6.08
633-UB16KKG01N-B	UB16KKG01N-B	C	SPDT On-On	Gold	White	7.95	7.17	6.66	6.23