

NKK Toggle Switches



G SERIES: PROCESS SEALED ULTRA-MINIATURE TOGGLES

Specifications:
 • 0.4VA max. @ 28VAC/DC max.

Features:
 • Ultra-miniature size for high density mounting
 • Extremely light weight, 0.25g
 • Totally sealed body construction
 • .100" x .100" terminal spacing



RoHS Compliant

()=Momentary

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | NKK Part No. | Fig. | Circuit | Terminal | Price Each | | |
|------------------|--------------|------|-----------------|-------------|------------|------|------|
| | | | | | 1 | 25 | 50 |
| 633-G12AP | G12AP | A | SPDT On-None-On | Straight | 3.72 | 3.60 | 3.44 |
| 633-G13AP | G13AP | A | SPDT On-Off-On | Straight | 3.91 | 3.78 | 3.61 |
| 633-G22AP | G22AP | A | DPDT On-None-On | Straight | 5.88 | 5.06 | 4.35 |
| 633-G23AP | G23AP | A | DPDT On-Off-On | Straight | 6.74 | 5.79 | 4.98 |
| 633-G12AH-RO | G12AH | B | SPDT On-None-On | Right angle | 4.38 | 3.91 | 3.80 |
| 633-G13AH-RO | G13AH | B | SPDT On-Off-On | Right angle | 4.86 | 4.33 | 4.20 |
| 633-G22AH-RO | G22AH | B | DPDT On-None-On | Right angle | 7.50 | 6.07 | 5.55 |
| 633-G23AH | G23AH | B | DPDT On-Off-On | Right angle | 6.75 | 6.61 | 6.24 |
| 633-G12AV-RO | G12AV | C | SPDT On-None-On | Vertical | 4.38 | 3.91 | 3.80 |
| 633-G13AV | G13AV | C | SPDT On-Off-On | Vertical | 4.46 | 4.32 | 4.13 |
| 633-G22AV | G22AV | C | DPDT On-None-On | Vertical | 6.29 | 6.15 | 5.81 |
| 633-G23AV-RO | G23AV | C | DPDT On-Off-On | Vertical | 7.59 | 6.52 | 5.62 |

B SERIES: PROCESS SEALED ANTISTATIC SUBMINIATURE TOGGLES

Specifications:
 • Static capability: 3 kilovolts ESD
 • 0.4VA max. @ 28VAC/DC max.

Features:
 • Saves space on PC boards
 • Developed for logic-level applications
 • Totally sealed body construction
 • .100" x .100" terminal spacing



RoHS Compliant

()=Momentary

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| MOUSER STOCK NO. | NKK Part No. | Fig. | Circuit | Terminal | Price Each | | |
|------------------|--------------|------|--------------------|--------------------|------------|------|------|
| | | | | | 1 | 25 | 50 |
| 633-B12AB-RO | B12AB | D | SPDT On-None-On | Straight w/bracket | 2.93 | 2.84 | 2.75 |
| 633-B13AB-RO | B13AB | D | SPDT On-Off-On | Straight w/bracket | 4.14 | 3.57 | 3.06 |
| 633-B22AB-RO | B22AB | D | DPDT On-None-On | Straight w/bracket | 5.92 | 5.09 | 4.38 |
| 633-B23AB-RO | B23AB | D | DPDT On-Off-On | Straight w/bracket | 5.59 | 4.81 | 4.14 |
| 633-B12AH-RO | B12AH | E | SPDT On-None-On | Right angle | 4.51 | 3.88 | 3.48 |
| 633-B22AH-RO | B22AH | E | DPDT On-None-On | Right angle | 5.99 | 5.15 | 4.43 |
| 633-B25AH-RO | B25AH | E | DPDT On-None-(On) | Right angle | 6.82 | 6.14 | 5.46 |
| 633-B28AH-RO | B28AH | E | DPDT (On)-Off-(On) | Right angle | 7.37 | 6.33 | 5.45 |
| 633-B29AH-RO | B29AH | E | DPDT On-Off-(On) | Right angle | 6.70 | 5.76 | 4.96 |
| 633-B12AV-RO | B12AV | F | SPDT On-None-On | Vertical | 4.51 | 3.88 | 3.48 |
| 633-B22AV-RO | B22AV | F | DPDT On-None-On | Vertical | 6.26 | 5.39 | 4.63 |

Threaded Bushing

| | | | | | | | |
|------------|--------|---|-----------------|----------|------|------|------|
| 633-B12A1P | B12A1P | G | SPDT On-None-On | Straight | 8.68 | 7.47 | 6.61 |
| 633-B13A1P | B13A1P | G | SPDT On-Off-On | Straight | 8.85 | 7.61 | 6.73 |
| 633-B22A1P | B22A1P | G | DPDT On-None-On | Straight | 9.80 | 8.43 | 7.45 |

Locking Lever

| | | | | | | | |
|--------------|-------|---|-----------------|--------------------|------|------|------|
| 633-B12LB-RO | B12LB | H | SPDT On-None-On | Straight w/bracket | 6.30 | 5.42 | 4.79 |
| 633-B22LB-RO | B22LB | H | DPDT On-None-On | Straight w/bracket | 7.80 | 6.43 | 5.92 |
| 633-B23LB-RO | B23LB | H | DPDT On-Off-On | Straight w/bracket | 8.14 | 6.64 | 6.19 |

M2T SERIES: PROCESS SEALED MINIATURE TOGGLES

Specifications:
 • Silver: 6A @ 125VAC & 3A @ 250VAC
 • Gold: 0.4VA max. @ 28VAC/DC max.
 • UL94V-0 Rated



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() Momentary

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| MOUSER STOCK NO. | NKK Part No. | Fig. | Circuit | Terminal | Price Each | | |
|--------------------|--------------|------|--------------------|----------|------------|------|------|
| | | | | | 1 | 25 | 50 |
| Straight PC | | | | | | | |
| 633-M2T12SA5G03 | M2T12SA5G03 | I | SPDT On-None-On | Gold | 4.31 | 4.01 | 3.56 |
| 633-M2T12SA5W03 | M2T12SA5W03 | I | SPDT On-None-On | Silver | 3.21 | 2.91 | 2.67 |
| 633-M2T13SA5W03 | M2T13SA5W03 | I | SPDT On-Off-On | Silver | 4.22 | 3.11 | 2.97 |
| 633-M2T18SA5G03 | M2T18SA5G03 | I | SPDT (On)-Off-(On) | Gold | 5.31 | 3.66 | 3.51 |
| 633-M2T22SA5G03 | M2T22SA5G03 | J | DPDT On-None-On | Gold | 6.72 | 4.79 | 4.50 |
| 633-M2T22SA5W03 | M2T22SA5W03 | J | DPDT On-None-On | Silver | 6.14 | 4.08 | 3.96 |
| Vertical PC | | | | | | | |
| 633-M2T12SA4G40-RO | M2T12SA4G40 | K | SPDT On-None-On | Gold | 5.87 | 3.90 | 3.62 |
| 633-M2T13SA4G40-RO | M2T13SA4G40 | L | SPDT On-Off-On | Gold | 5.56 | 4.25 | 3.95 |

ENVIRONMENTALLY SEALED TOGGLE SWITCHES

Specifications:
 • Power rating: 10A @ 125VAC/30VDC, 6A @ 250VAC
 • UL94V-0 Standard

• Leads: AWG 16 heat resistant PVC
 • Sealing at front and back panel meets IP67 & IP60 of IEC529



RoHS Compliant

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| MOUSER STOCK NO. | NKK Part No. | Fig. | Circuit | Terminal | Price Each | | | |
|------------------|--------------|------|------------------|------------|------------|-------|-------|-------|
| | | | | | 1 | 25 | 50 | 100 |
| 633-WT11S-RO | WT11S | K | SPST On-None-Off | Solder Lug | 10.12 | 9.83 | 9.54 | 9.25 |
| 633-WT11T-RO | WT11T | K | SPST On-None-Off | Screw Lug | 12.07 | 11.70 | 10.83 | 10.12 |

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DIMENSIONS: in.

A

Single Pole Illustrated

B

Single Pole Illustrated

C

Double Pole Illustrated

D

Single Pole Illustrated

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Single Pole Illustrated

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