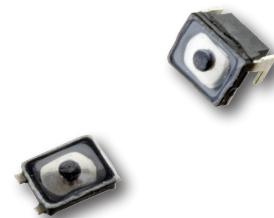# NanoT Series
The Most Compact Nano Size Tact Switch

Features

- *Ultra Compact Size*
- *SMT or PIP versions*
- *IP67*
- *Integrated Actuator*
- *High life cycles*

Typical Applications

- *Hearing Aids*
- *Headsets*
- *Sports watch*
- *IoT portable device*

Part Number	Style	Force (gf)	Life (Cycles)
NanoT 100 AS	Top Actuated with SMT termination	100 +40/-30	200,000
NanoT 160 AS	Top Actuated with SMT termination	160 +/- 50	300,000
NanoT 240 AS	Top Actuated with SMT termination	240 +/- 60	200,000
NanoT 160 BP	Side actuated with PIP* termination	160 +/- 50	300,000
NanoT 240 BP	Side actuated with PIP* termination	240 +/- 60	200,000

*PIP: Pin in Paste also called Pin Through Paste

Specifications

TRAVEL: 0.1 mm +/- 0.05 mm
OPERATING TEMPERATURE: -40 ~ +85°C
OPERATING TEMPERATURE: -40 ~ +85°C
RATING: 15V D.C. / 20mA
INSULATION RESISTANCE: 100 MΩ Min.
WITHSTAND VOLTAGE: 250V A.C. (50~60Hz 2mA) for 1 min.
BOUNCE: ON/OFF 10 ms Max.
CONTACT RESISTANCE: 500mΩ Max.

Packaging

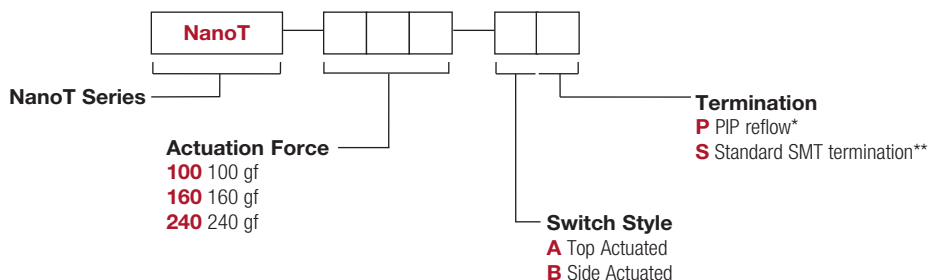In reels of 7,500 pieces for the Side actuated
In reels of 8,000 pieces for the Top actuated
Dimensions of reels according to EIA RS481 or IEC 2863. External diameter 330 mm ± 2 mm.

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

For any part number different from those listed above, please consult your local representative.

| NanoT | | | | |

NanoT Series

Actuation Force
100 100 gf
160 160 gf
240 240 gf

Switch Style
A Top Actuated
B Side Actuated

Termination
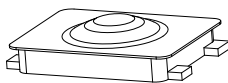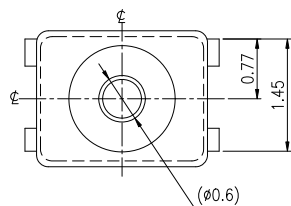**P** PIP reflow*
S Standard SMT termination**

* P termination for side version only
** S termination for top version only

Dimensions are shown: mm
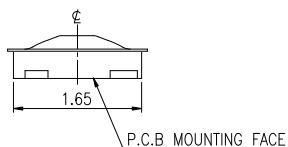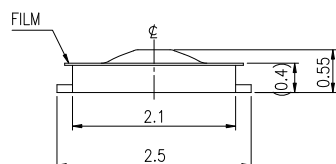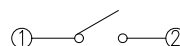*Specifications and dimensions subject to change*

NanoT Series
The Most Compact Nano Size Tact Switch

TOP ACTUATED

SCHEMATIC

① ○—○ ②

FILM

0.77
1.45
(∅0.6)

0.55
(0.4)
2.1
2.5

P.C.B MOUNTING FACE

1.65

FILM(0.1)

FILM(0.1)

2° Max.

∅1.2~∅1.5

RESTRICTION IN OPERATION

SHAPE OF KEYING TIP

P.C.B LAYOUT

2.8
1.8
2-1.4
1.7
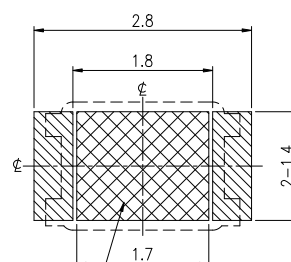
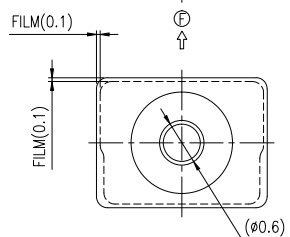Any land pattern
or vias should be
prevented at area.

SIDE ACTUATED PIP

① ②

FILM(0.1)

FILM(0.1)

Ⓕ

(∅0.6)

FILM

2.2

1.6
0.1
2.1

1.65
0.4
0.45
0.6
1.7
0.3
(0.4)
0.6   0.85

P.C.B MOUNTING FACE

① ○—○ ②

SCHEMATIC

ⓑ

2° Max.

∅1.2~∅1.5

SHAPE OF KEYING TIP

RESTRICTION IN OPERATION

2.1
2-∅0.6
2-∅0.4 Holes
① ②
0.7
2-R
0.8
0.3
0.4
2.4

(VIEW FROM DIRECTION Ⓕ)
P.C.B LAYOUT

C&K

5 Jul 21

www.ckswitches.com
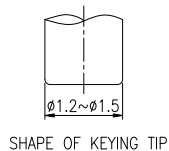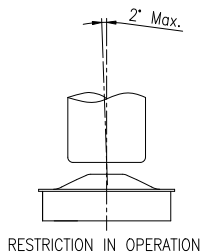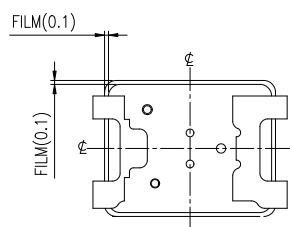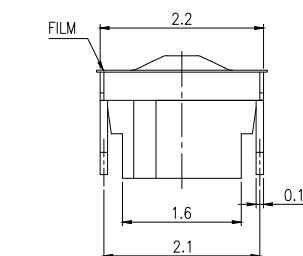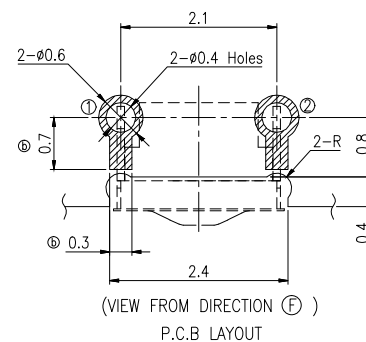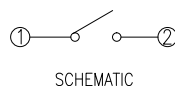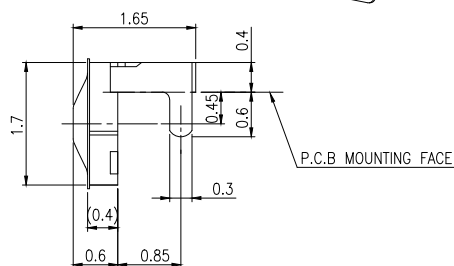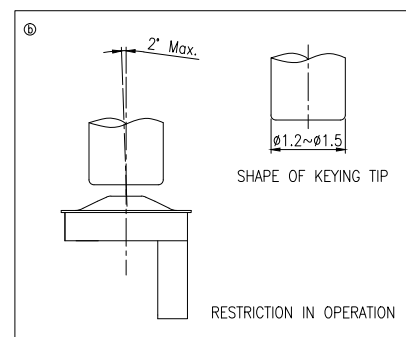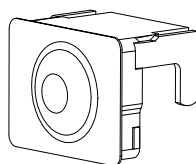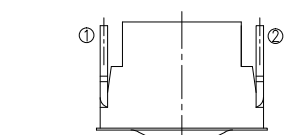
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[C&K Switches](#):

NAN0T100AS NAN0T160AS NAN0T160BP NAN0T160BS NAN0T240AS NAN0T240BP NAN0T240BS
GSNAN0T000101 GSNAN0T000102 GSNAN0T000103 GSNAN0T000201 GSNAN0T000202 GSNAN0T000301
GSNAN0T000302