



Specifications

Max. Current/Voltage Rating with Resistive Load:
400 mA 32 VAC - 100 mA 50 VDC - 125 mA 125 VAC.

Metal bushing type:
500 mA 48 VAC - 200 mA 50 VDC - 200 mA 250 VAC.

Initial Contact Resistance: 50 mΩ max. (without wire leads).

Note: When the switches with the wire assembly, we only test the electric conduction and will not test the contact resistance on the wire.

Insulation Resistance: 1 GΩ min. at 500 VDC.

Dielectric Strength: 1,000 VAC rms. (initial value).
Metal bushing type: 1,500 VAC rms. (initial value).

Electrical Life at Full Load: 500,000 cycles.

Mechanical Life: 1,000,000 cycles.

Operating Temperature: -30°C to 85°C.

Total Travel: : 1.5 mm (.059 inch).

Operation Force: 2 N ~ 5 N.

Contact Bounce: 10 ms.

Torque: 0.5 Nm max.
Metal bushing type: 1.5 Nm max.

Ingreep Protection:

Materials

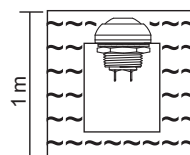
Case: Diallyl phthalate (DAP) (UL 94 V-0).
Cap: Polyamide 6/6.
Bushing: Polyamide 6/6.
Terminal: Copper or brass, gold over silver plated.
Contact: Brass, gold over silver plated.
Wire: Standard wire UL 3385 - 20 AWG.

Soldering Process

Manual Soldering: Use 30 watts soldering iron and controlled the temperature at 350°.
Duration of solder immersion: Max. 5 sec.

Wave Soldering: Recommend soldering temperature: 260 ± 5°C
Duration of solder immersion: Max. 5 sec.
(PCB thickness is 1.6 mm (0.63 inch))

IP67 for the whole series:
Protected against the effects of immersion up to 1 m water (30 min)



HOW TO ORDER

Note: Specifications and availability subject to change without notice.

Model No.	Bushing	Terminal & Wire	Contact Plating	Seal	RoHS Soldering	CAP	Additional Hardware	LED Color
SP PAS6 OFF-(ON)			C Gold over silver	A Sealed (Std.)	S RoHS & Lead Free		5 Standard hardware	

Item No.	Color
Single Color LED	
L1	White
L3	Red
L5	Yellow
L6	Green
L7	Blue
Dual Color LED	
L36	Red+Green
L37	Red+Blue

CAP Color	Item No.		
	Flat (Std.)	Round	High
White	1	A1	G1
Black (Std.)	2	A2	G2
Red (Std.)	3	A3	G3
Orange	4	A4	G4
Yellow	5	A5	G5
Green	6	A6	G6
Blue	7	A7	G7

Note: Our standard is with flat cap.
1. LED is only available with flat cap.
2. Bushing B6 is only available with flat cap.

EXAMPLE:

PAS6B2MICAS□-5 (Without LED)
└─ Cap type

PAS6B2MICAS□-5□ (With LED)
└─ LED color
└─ Flat cap color

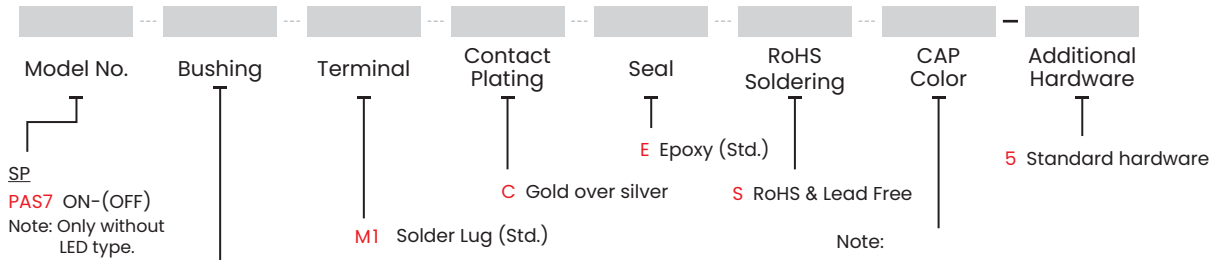
* Terminals M3 and M4 are only available with PAS6 without LED.
** Except standard color, for other colors information please consult sales representative.



PA
Pushbutton Switches

HOW TO ORDER

Note: Specifications and availability subject to change without notice.



- B1 Round, Snap-In
- B2 Round threaded
- B3 Round, Snap-In
- B6 Square threaded

Wire Type

- L2 90 mm wire leads 20 AWG
- L3 100 mm wire leads 20 AWG
- D1 Molding 500 mm wire leads 20 AWG
are only available for B2 bushing

Note:

1. Our standard is with flat cap.
2. Bushing B6 is only available with flat cap.

CAP Color	Item No.		
	Flat (Std.)	Round	High
White	1	A1	G1
Black (Std.)	2	A2	G2
Red (Std.)	3	A3	G3
Orange	4	A4	G4
Yellow	5	A5	G5
Green	6	A6	G6
Blue	7	A7	G7

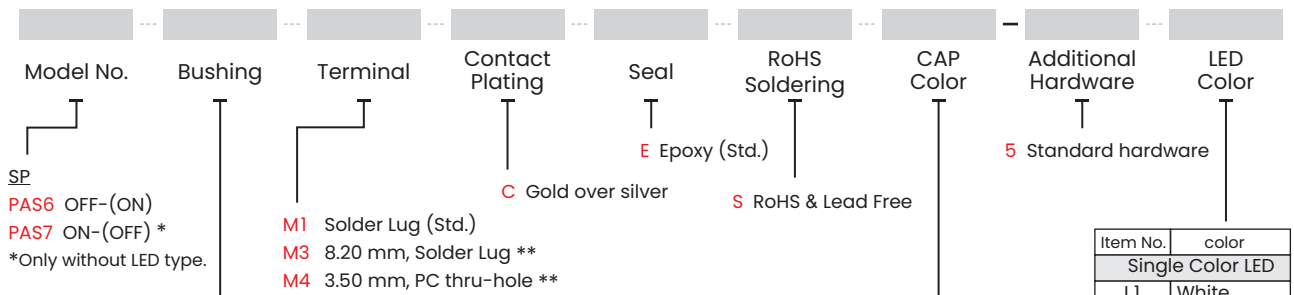
Note: Except standard color, for other colors information please consult sales representative.

EXAMPLE:

PAS7B2MICES-5
Cap type

HOW TO ORDER

Note: Specifications and availability subject to change without notice.



- D1 Die-casting, Square threaded
- D1A Die-casting, chrome plating
- D1C Die-casting, Stain-Chromium plating
- D1D Die-casting, Stain-Nickel plating
- D2 Die-casting, Round threaded
- D2A Die-casting, chrome plating
- D2C Die-casting, Stain-Chromium plating
- D2D Die-casting, Stain-Nickel plating

Note: Our standard is with flat cap.

Color	Item No.
White	1
Black (Std.)	2
Red (Std.)	3
Orange	4
Yellow	5
Green	6
Blue	7

Item No.	color
Single Color LED	
L1	White
L3	Red
L5	Yellow
L6	Green
L7	Blue
Dual Color LED	
L36	Red+Green
L37	Red+Blue

EXAMPLE:

PAS6D2MICES-5 (Without LED)
Cap color

PAS6D2MICES-5 (With LED)
LED color
Cap color

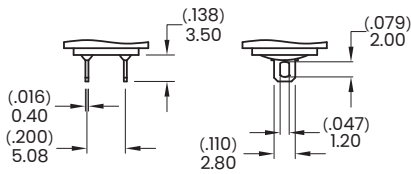
** Terminals M3 and M4 are only available with PAS6 without LED.
*** Except standard color, for other colors information please consult sales representative.



▼ **TERMINAL OPTIONS**

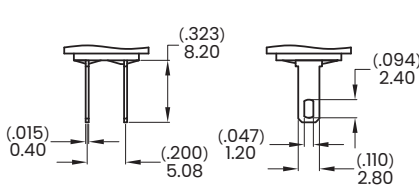
The terminals M1, M3 and M4 are shown with PAS6 model (standard)

M1 Solder lug (Std.)



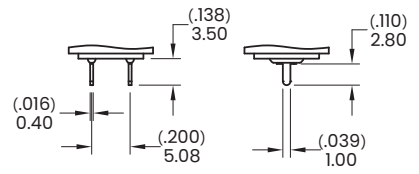
PAS7 Model: Terminal M1 Length 3.40 mm, only available without LED.

M3 Solder lug



Note: Only available with PAS6 without LED.

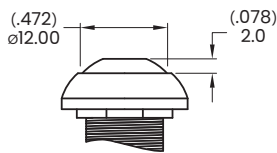
M4 PC Thru-hole



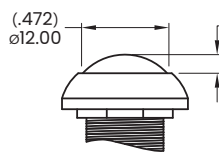
Note: Only available with PAS6 without LED.

▼ **CAP OPTIONS**

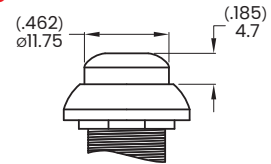
Flat Standard



Round No LED

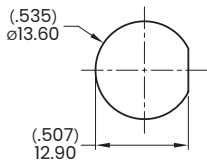


High No LED

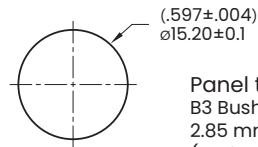


Note: Round and high caps are not available for bushings B6 and D1.

▼ **PANEL MOUNTING**



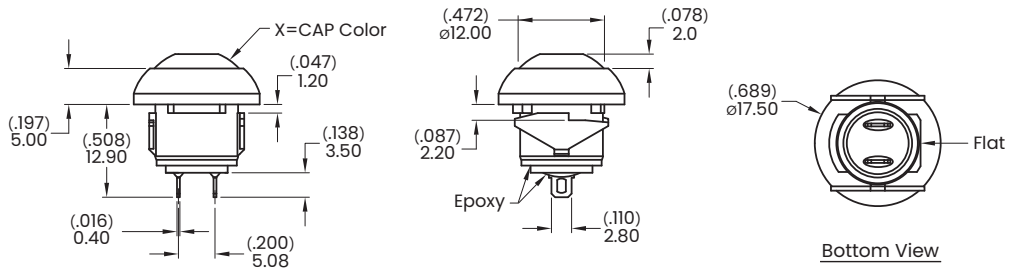
Panel thickness:
B1 bushing:
0.8 mm (.031 inch) min. ~ 1.8 mm (.071 inch) max.
B2, B6, D1, D2 Bushings:
1.5 mm (.059 inch) min. ~ 4 mm (.157 inch) max.



Panel thickness:
B3 Bushing:
2.85 mm +0.05/-0.10 mm
(.112 inch +.002/-0.004 inch)

▼ **DIMENSION**

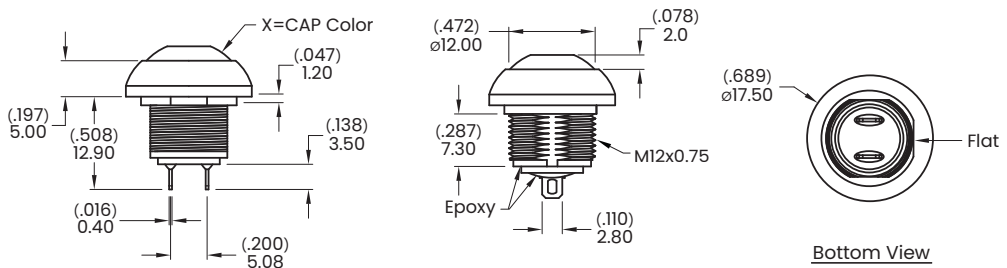
B1



Model name. PAS6B1MICASX-5

SPST

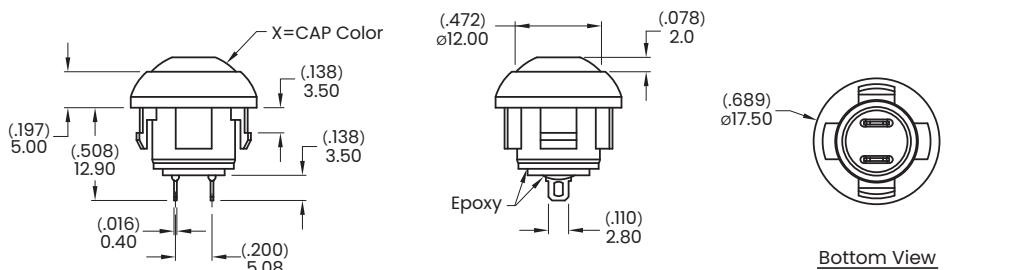
B2



Model name. PAS6B2MICASX-5

SPST

B3



Model name. PAS6B3MICASX-5

SPST



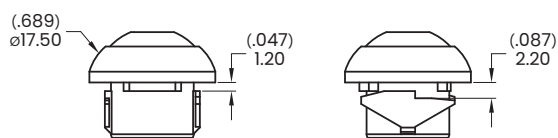
▼ SWITCH FUNCTION

No. Poles	Model No.	Switch Function		Connected Terminals		Schematic
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	PAS6	OFF	(ON)	OPEN	1-3	
	PAS7	ON	(OFF)	1-3	OPEN	

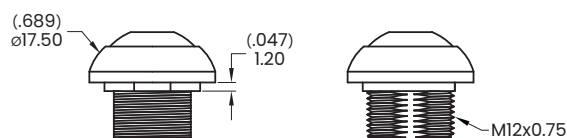
()=Momentary

▼ BUSHING OPTIONS FOR PAS6 MODEL

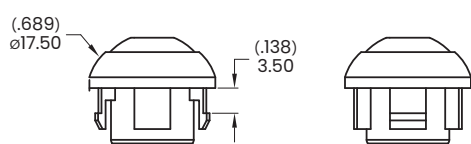
B1 Round, Snap-in



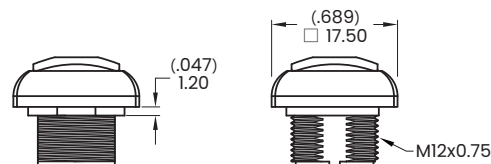
B2 Round threaded



B3 Round, Snap-in

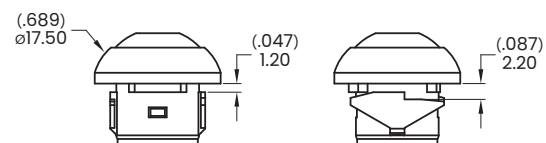


B6 Square threaded

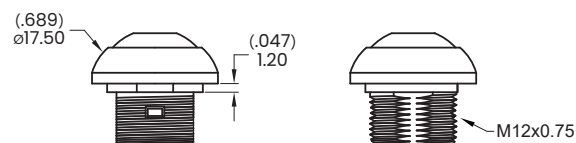


▼ BUSHING OPTIONS FOR PAS7 MODEL

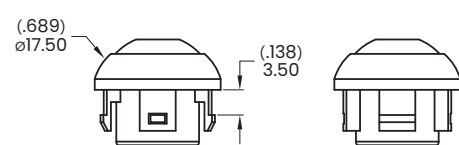
B1 Round, Snap-in



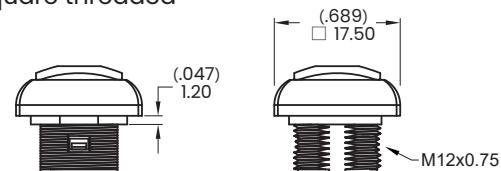
B2 Round threaded



B3 Round, Snap-in

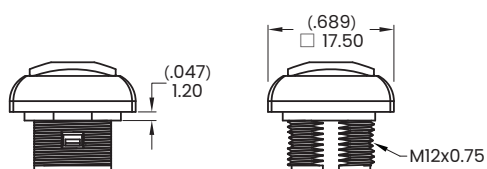


B6 Square threaded

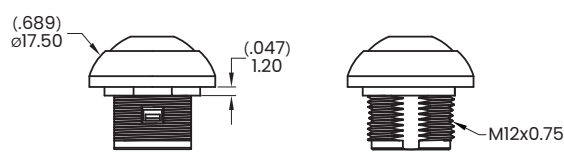


▼ DIE-CASTING BUSHING OPTIONS

D1 Square threaded, die-casting



D2 Round threaded, die-casting



Note: Die-casting with plating is only available for bushings D1 and D2.

A Chromium



C Stain-Chromium

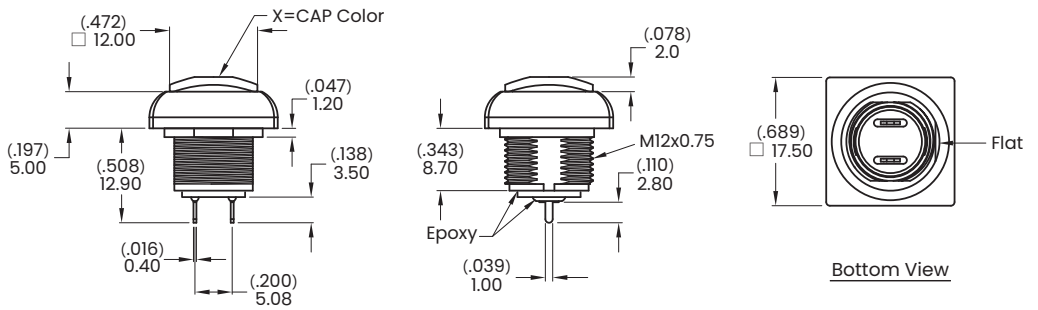


D Stain-Nickel





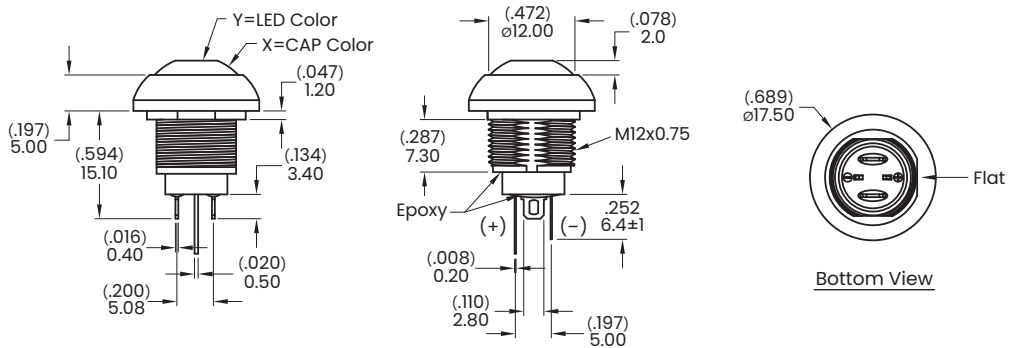
B6



SPST

Model name. PAS6B6M4CASX-5

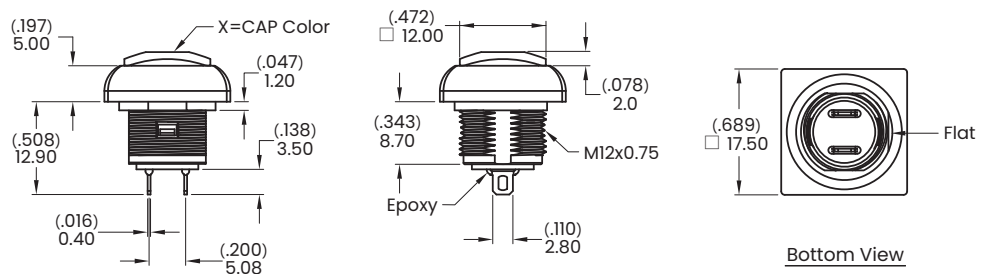
B2



SPST

Model name. PAS6B2MICASX-5LY

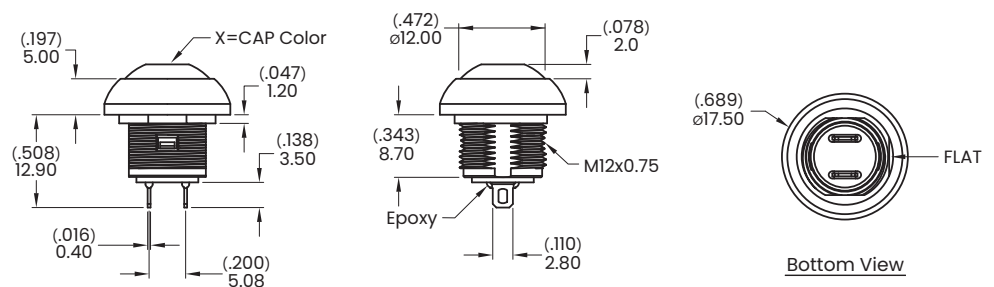
D1



SPST

Model name. PAS6D1MICESX-5

D2



SPST

Model name. PAS6D2MICESX-5



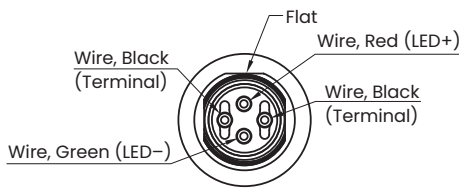
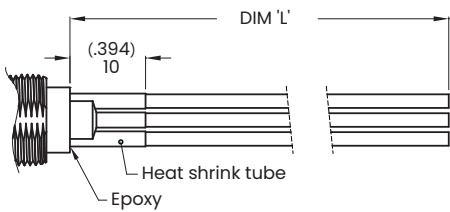
▼ WIRE OPTIONS

Note: Please consult sales for additional wire options.

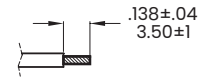
Wire leads, 20 AWG

Wire Length:

Code	DIM 'L'
L2 *	90±5 (3.54±.197)
L3	100±5 (3.94±.197)

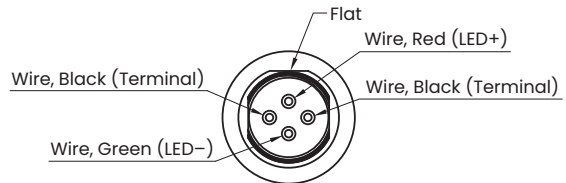
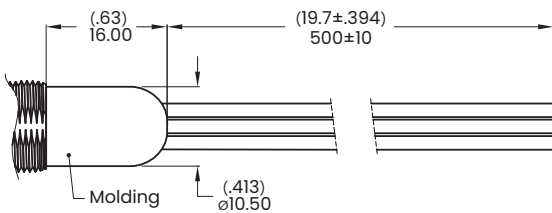


Note:
For L2 code: No LED terminals is black and red wires
For L3 code: No LED terminals is black wires



* Stripping wire for code L2

D1 Molding, 500 mm wire leads, 20 AWG



Note: No LED terminals is black wires

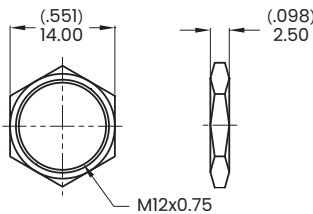
▼ HARDWARE

EXAMPLE: Model name. 5 Standard Hardware

* Standard for threaded bushing : 1 Nut, 1 EVA Washer or O-Ring, 1 Lock Washer
* For further information please consult sales representative.

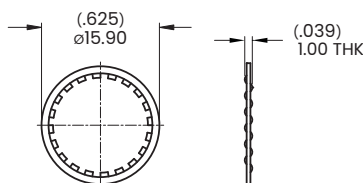
Hex Nut

Model name. MNU-PA03



Lock Washer

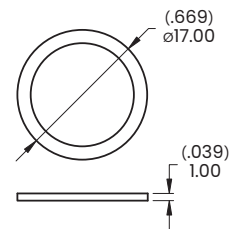
Model name. MNU-1M09



For Threaded bushing

EVA Washer

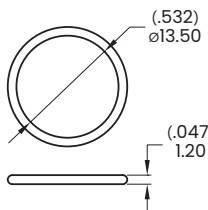
Model name. FSU-PA01



Available with bushing B1 and B2 only

O-RING

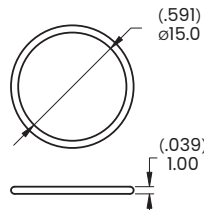
Model name. FCP-A253



Only available for bushings D1, D2, B6 and model PAL6 B2 bushings

O-RING

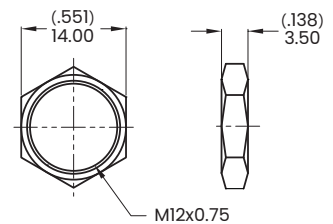
Model name. FCP-P004



Available with bushing B3 only

Hex Nut

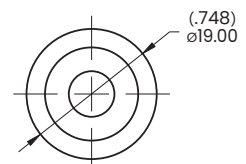
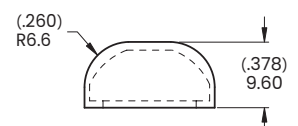
Model name. MNU-PA04
MOQ: 10K



▼ RUBBER HOOD

Model name. FCP-P003 (Transparent)

FCP-P003-2 (Black) MOQ: 10K



Note: Standard is with flat cap.

EXAMPLE: Model name. 4 Standard hardware+FCP-P003 (Transparent rubber hood)