

# MINIATURE SWITCHES

**PUSH TYPE**

**APE1F-2M ON-(ON) (SPDT)**  
**APE2F-2M ON-(ON) (DPDT)**  
 (ON)=Momentary

- Rating: AC/DC48V 50mA
- Stroke: 1.2mm
- Life: 10,000 Cycles
- Knob:  $\phi 4$
- Knob Color: White, Red, Black, Gray, Green, Blue, Orange, Yellow, Brown

Mounting Hole Layout

**PUSH & R/A TYPE**

**APE1F-5M-10 ON-(ON) (SPDT)**  
**APE1F-6M-10 ON-(ON) (DPDT)**  
 Pitch=5.08mm (ON)=Momentary  
 Pitch=7.62mm

- Rating: AC/DC48V 50mA
- Stroke: 1.2mm
- Life: 10,000 Cycles

Mounting Hole Layout

**TOGGLE TYPE**

**FT1D-2M ON-(ON) (SPDT)**  
**FT2D-2M ON-(ON) (DPDT)**  
**FT1E-2M ON-OFF-ON (SPDT)**  
**FT2E-2M ON-OFF-ON (DPDT)**  
**FT1F-2M ON-(ON) (SPDT)**  
**FT2F-2M ON-(ON) (DPDT)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA
- Force: 200±150gf
- Life: 10,000 Cycles

Mounting Hole Layout

**TOGGLE & R/A TYPE**

**FT1D-5M ON-(ON) (SPDT)**  
**FT2D-5M ON-(ON) (DPDT)**  
**FT1E-5M ON-OFF-ON (SPDT)**  
**FT2E-5M ON-OFF-ON (DPDT)**  
**FT1F-5M ON-(ON) (SPDT)**  
**FT2F-5M ON-(ON) (DPDT)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA
- Force: 200±150gf
- Life: 10,000 Cycles

Mounting Hole Layout

**ROCKER TYPE (SPDT)**

**FL1D-2M ON-(ON)**  
**FL1E-2M ON-OFF-ON**  
**FL1F-2M (ON)-(ON)**  
**FL1G-2M (ON)-OFF-(ON)**  
**FL1H-2M (ON)-OFF-(ON)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA Max.  
DC20mV 1 $\mu$ A Min.
- Life: 10,000 Cycles Max.,  
50,000 Cycles Min.(D,E Type)  
30,000 Cycles Min.(F,G,H Type)
- Knob Color: White, Red, Black, Gray

Lever • Rocker Mounting

Mounting Hole Layout

**ROCKER & R/A TYPE (SPDT)**

**FL1D-5M ON-(ON)**  
**FL1E-5M ON-OFF-ON**  
**FL1F-5M (ON)-(ON)**  
**FL1FA-5M ON-(ON)**  
**FL1G-5M (ON)-OFF-(ON)**  
**FL1H-5M ON-OFF-(ON)**  
**FL1HA-5M (ON)-OFF-(ON)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA Max.  
DC20mV 1 $\mu$ A Min.
- Life: 10,000 Cycles Max.,  
50,000 Cycles Min.(D,E Type)  
30,000 Cycles Min.(F,G,H Type)
- Knob Color: White, Red, Black, Gray

Lever • Rocker Mounting

Mounting Hole Layout

**PUSH TYPE**

**FP1F-2M ON-(ON) (SPDT)**  
**FP2F-2M ON-(ON) (DPDT)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA
- Force: 150±100gf
- Life: 10,000 Cycles
- Knob: White, Red, Black, Gray

Mounting Hole Layout

**PUSH & R/A TYPE**

**FP1F-5M ON-(ON) (SPDT)**  
**FP2F-5M ON-(ON) (DPDT)**  
 (ON)=Momentary

- Rating: DC28V 0.4VA
- Force: 150±100gf
- Life: 10,000 Cycles
- Knob: White, Red, Black, Gray

Mounting Hole Layout