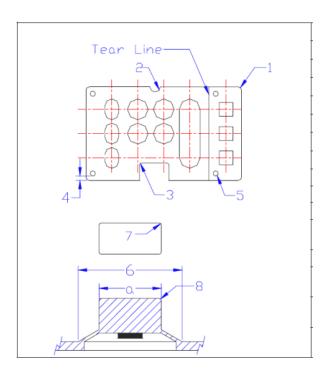
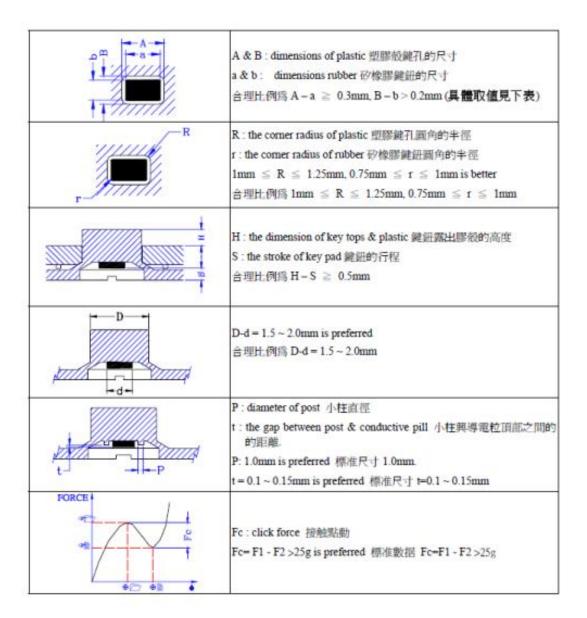
#### **RUBBER KEY DESIGN GUIDE**



- 1. Typical outside radius is 1.0 to 1.5mm.
- Minimum radius is 0.3mm.
- Minimum inside radius is 0.2mm.
- Spacing between the edges of a rubber dome and a guide hole is 1.0mm or more.
- 5. Guide holes are a min. 1.0mm in diameter.
- 6. The width of a rubber dome base is typically 2.0mm more than a.
- The minimum radius for the side edges of key top is 0.25mm.
- The minimum radius for the top edges of key top is 0.2mm.
  - a. Actuation force: 130±35 grams
  - b. Tactile feedback required.
  - c. Expected life cycle: 1 × 10s minimum
  - d. Silicone rubber hardness:  $50 \sim 60^{\circ}$ .
  - e. Contact resistance less than 200 ohms
  - f. Stroke = 1.0 (or 1.5) mm.
  - g. Thickness of carbon pill = 1.0mm.
  - h. Contact bounce less than 12m seconds.
  - i. Pad color: optional.
  - j. Graphic printing: optional.

#### **Rubber with Plastic cover**



Recommendation for the gap between rubber and plastic cover (one side)

### a. Rubber key travel: 1.00m

分類	Size	1 ~ 10	10 ~ 20	20 ~ 30	30 ~ 40	40 ~ 50	50 ~
(	0	0.10	0.10	0.12	0.15	0.30	

## b. Rubber key travel: 1.50m

尺寸 分類	0 ~ 10	10 ~ 20	20 ~ 30	30 ~ 40	40 ~ 50	50 ∼
	0.10	0.12	0.14	0.16		
	0.12	0.14	0.16			
	0.12	0.14	0.16			
多邊形			0.20	0.30		
異形		0.16	0.20			

# b. Rubber key travel: 2.00m

尺寸 分類	0 ~ 10	10 ~ 20	20 ~ 30	30 ~ 40	40 ~ 50	50 ∼
	0.10	0.12	0.14	0.16		
	0.12	0.16	0.18			
	0.12	0.16	0.18			
			0.25	0.35		
異形		0.18	0.22			