

Membrane Keypad Structure

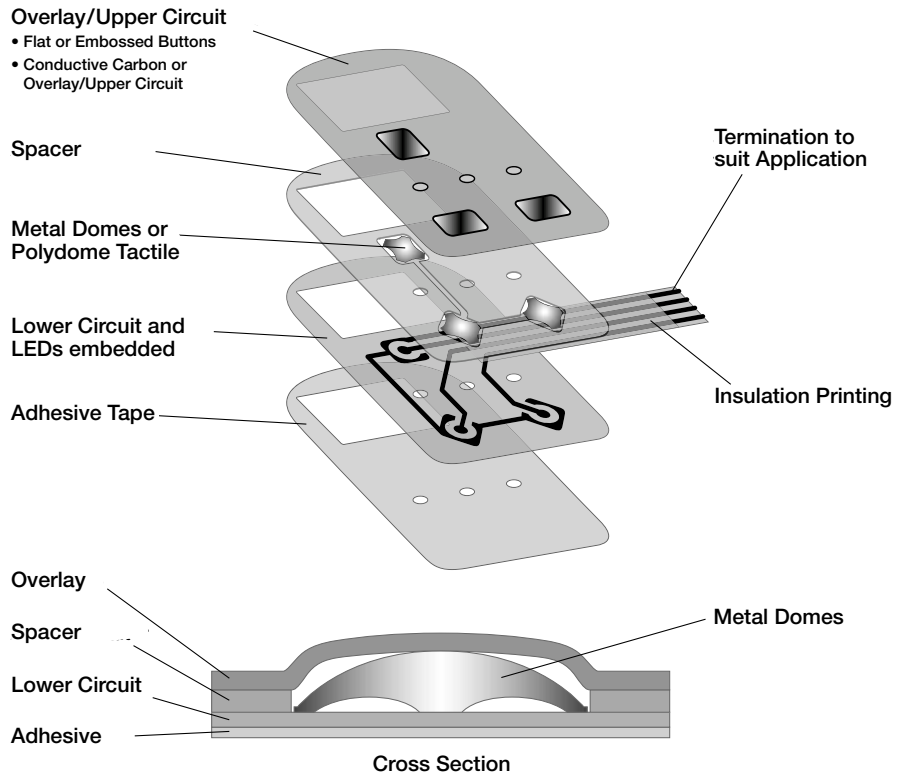


Reference Materials:

Overlay:	Polycarbonate Film (PC) – Matt or Glossy surface Thickness (mm): 0.075, 0.125, 0.175, 0.250, 0.375, 0.500 Polyester Film (PET) with UV-cured texture coating – Matt or Glossy surface Thickness (mm): 0.15, 0.20, 0.25
Circuit Layer:	Polyester Film (PET) – Thickness (mm): 0.075, 0.100, 0.125
Conductive:	Carbon Ink, Conductive Silver Paste or Metal Domes
Spacer:	Polyester Film (PET)
Adhesive:	Adhesive Double Tape

Typical specification:

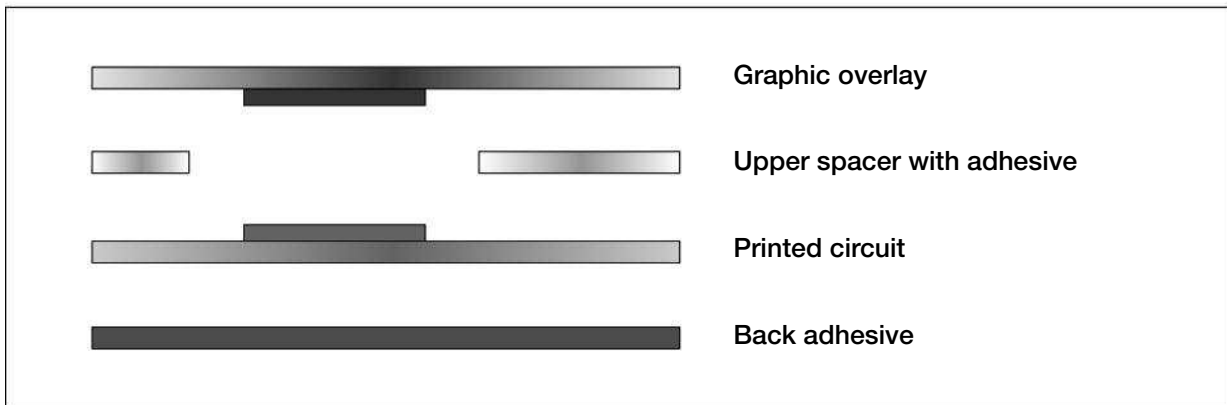
	Polydome	Metaldome
Operating voltage:	min. 100 mV AC/DC max. 25 V AC / 42 V DC	min. 100 mV AC/DC max. 25 V AC / 42 V DC
Breaking current:	100 mA	100 mA
Max. initial contact resistance:	500 Ω	500 Ω
Min. isolation resistance:	100 MΩ	100 MΩ
Operating temperature:	-5 °C ... +50 °C	-10 °C ... +80 °C
Endurance:	500 000 operations	200 000 operations
Actuation force:	0.3 N ... 5 N	0.3 N ... 5 N
Typ. Travel:	0.3 mm...0.6 mm	0.25 mm ... 0.4 mm
Typ. Bounce:	3 ms	5 ms





Membrane Switch Structure

Flat Type (Non-Tactile)



Tactile Type

