



**PCB Membrane Keyboards – Typical Characteristics Data Sheet**

- Application defined overlay, adhesive and material systems.
- Polyester graphic overlay with selective material finishes (fine, velvet, gloss, UVresistant, Soft Touch, Ingrained stainless steel effect, anti microbial).
- Polycarbonate graphic overlay with selective material finishes (UL / FR resistant).
- Printed selective textures and finishes (clear window, tinted window, anti glare, secret lit phosphorescent).
- Embossed tactile response (dome, rim, plateau, de-emboss, braille), metal dometactile response or combination.
- Tact / Hard / Push / Rotary Switches.
- Increased circuit tracking options.
- Surface mount (SMT) and conventionally assembled electronic components.
- EMC / RFI shielding.
- Backlighting by RGB LED light tiles.
- Insertable legends.
- IP rated.
- Mechanical fixtures and fittings.
- Panel Mounted.
- Box Built.

Typical	Non Tactile Membrane Switch	Membrane Switch Tactile	PCB Based Non Tactile	PCB Based Tactile
<b>Actuation Force (g)</b>	50-500	350-450	50-500	350-450
<b>Switch Life</b>	3 000 000	1 – 3 000 000	3 000 000	1 – 3 000 000
<b>Switch Contact</b>	SPST Normally Open	SPST Normally Open	SPST Normally Open	SPST Normally Open
<b>Contact Rating</b>	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT
<b>Contact Bounce</b>	<10 MS	<20 MS	<10 MS	<20 MS
<b>Contact Resistance</b>	<100 OHMS	<100 OHMS	<100 OHMS	<100 OHMS
<b>Capacitance</b>	<20 PF	<20 PF	<20 PF	<20 PF
<b>Operating Temp</b>	-30C-+60C	-30C-+60C	-30C-+60C	-30C-+60C



**Markets**

Automotive \* Military \* Access Control \* Aerospace \* Medical \* Power Distribution \* Marine \* Security \* Instrumentation

