

Silicon Keypad custom made

OEM/ODM design:

- Multi Silicon Rubber Colors
- Laser etched for backlit applications
- Coating Protection: epoxy, gloss, matt, PU-coating...etc
- Plastic Keycap & Keypad assembly
- Rapid prototyping service



Laser etching



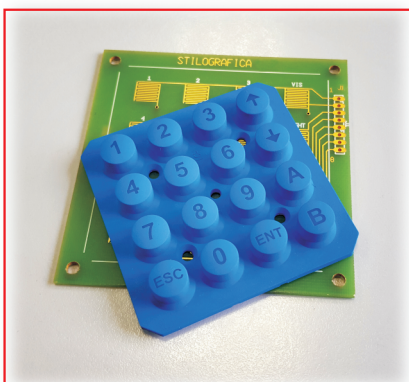
Matt Coating



Backlite



Epoxy Coating

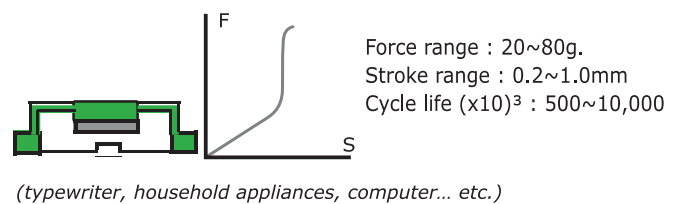
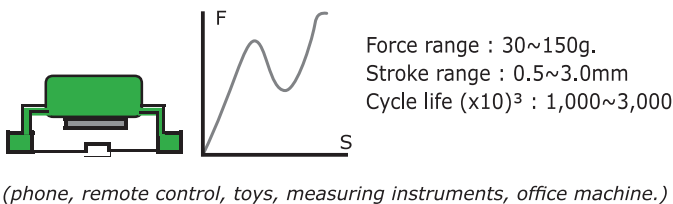
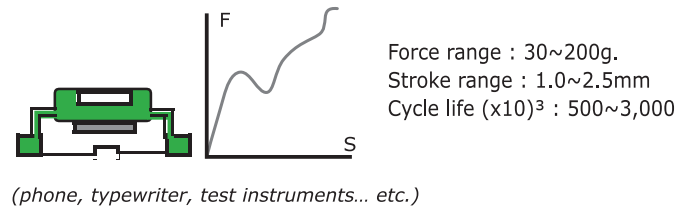
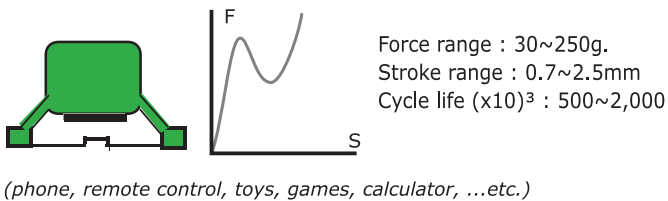
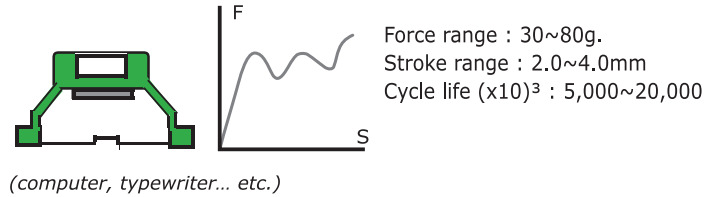
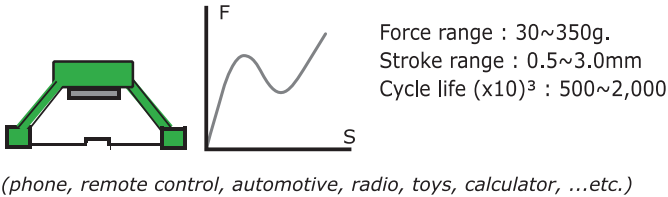


Silicon & Rigid pcb



Silicon & Flex pcb

TYPICAL KEY SECTIONS AND CHARACTERISTICS



MECHANICAL & ELECTRICAL PROPERTIES OF SILICON RUBBER

(depending on the size of contacts and keyboard layout)

Temperature for Use	-55° C ~ + 205° C
Specific Gravity	1.15
Tensile Strength	90Kg/cm ²
Tear Strength	20Kgf/cm
Compression Set	60% (180°Cx22hrs)
Elongation at Break	350%
Volume Resistivity	8x10 ¹⁴ ohm cm
Contact Resistance
Contact Rating (DC)
Contact Bounce
Chatattering
Insulation Breakdown	24Kv/mm
Color	Coloring possible
Dielectric Constant	4.2 (50Hz)
Dielectric Tangent	13% (50Hz)

SILICON RUBBER KEYPAD - The Design's Guide

