

LINEAR POTENTIOMETER *DIA9,5-xx*

Set of high-performance *miniature* linear potentiometers, based on "conductive plastic" technology.

These products are really compact, and they are easy to install in a very limited space.

Typical applications: suspension, motorcycle forks and shock absorbers, pedals position, etc...



Cod.	"A" Mechanical Stroke mm (± 0.5 mm)	"B" Retracted Mounting Distance mm (± 2 mm)	Resistance ($\pm 20\%$) Kohm
DIA9,5-12,5	12,5	86	0,8
DIA9,5-25	25	113	1,7
DIA9,5-50	50	123	3,4
DIA9,5-75	75	163	5
DIA9,5-100	100	194	6,7
DIA9,5-125	125	219	8,4
DIA9,5-150	150	244	10
DIA9,5-175	175	254	11,7

TECHNICAL SPECIFICATIONS:

- ◆ **Maximum Supply Voltage:** 40 Vdc
- ◆ **Resolution:** Essentially Infinite
- ◆ **Repeatability:** ≤ 0.01 mm
- ◆ **Operational Speed:** 10 m/s max
- ◆ **Mechanical Life:** >25 Million Cycles
- ◆ **Temperature Range:** -30 to 155°C (limit 175°C)
- ◆ **Protection:** IP67
- ◆ **Linearity:** $\leq \pm 0.5\%$
- ◆ **Cable Type:** Raychem 55A 26 AWG
- ◆ **Cable Length:** 900mm
- ◆ **Case Material:** Aluminum
- ◆ **Spherical Bearing:** $\varnothing 3$ mm
- ◆ **Weight:** 26 ÷ 46 gr.
- ◆ **Exit cable:** STD → Reverse Cable Exit
Optional → Forward Cable Exit

