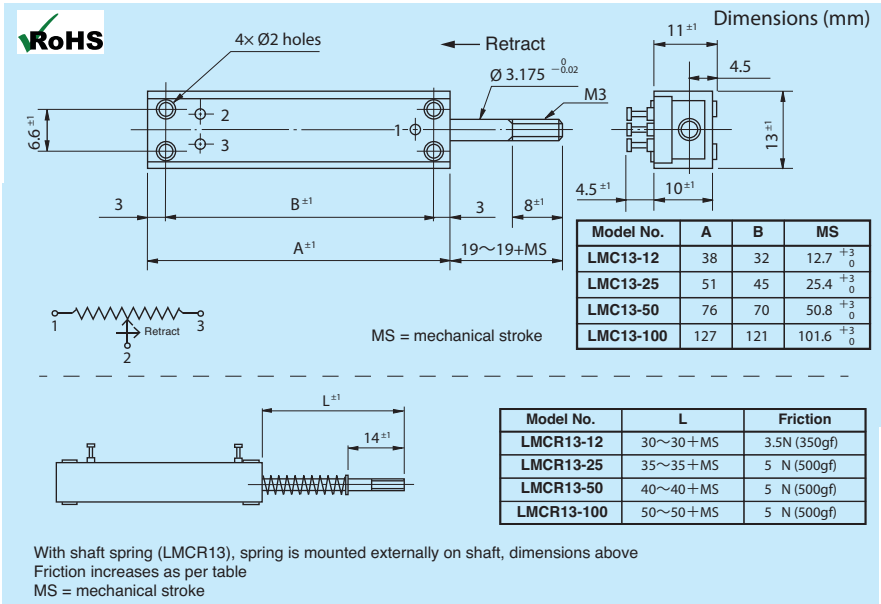


LMC13 / LMCR13 Series

Linear Motion Potentiometer (Conductive Plastic Element)



- **Standard Model Nos.**
 - LMC(R)13-12 (12mm stroke)
 - LMC(R)13-25 (25mm stroke)
 - LMC(R)13-50 (50mm stroke)
 - LMC(R)13-100 (100mm stroke)

- **General Specifications** (Note 1)

Model No.	LMC13-12	LMC13-25	LMC13-50	LMC13-100
Standard Resistance Values	500,1k,2k,5k,10k Ω	500,1k,2k,5k,10k Ω	1k,2k,5k,10k,20k Ω	1k,2k,5k,10k,20k Ω
Total Resistance Tolerance	±20%			
Independent Linearity Tolerance	±2.0% (1.0% option)	±1.5% (0.7% option)	±1.0% (0.5% option)	±0.7% (0.3% option)
Resolution	Essentially Infinite			
Output Smoothness	Within 0.1% against input voltage			
Contact Resistance Variation	Within 2% C.R.V.			
Power Rating	0.2W	0.4W	0.7W	1.2W
Electrical Stroke	12.7±0.5mm	25.4±0.5mm	50.8±0.5mm	101.6±0.5mm
Mechanical Stroke (MS)	12.7 ⁺³ ₀ mm	25.4 ⁺³ ₀ mm	50.8 ⁺³ ₀ mm	101.6 ⁺³ ₀ mm
Insulation Resistance	Over 1,000M Ω at 500V.D.C.			
Dielectric Strength	1 minute at 500V.A.C.			
Friction (w/out shaft spring return)	< 0.5N (50gf)			< 1.0N (100gf)
Stopper Strength	Approx. 20N (2kgf)			
Resistance Temperature Coefficient	±400p.p.m./°C			
Operating Temperature	-30°C ~ +105°C			
Life Expectancy	20,000,000 reciprocating motions			
Vibration	15G 10Hz to 2,000Hz 12 hours			
Shock	50G 11ms 18 times			
Protection Grade	IP40 (IP54 option)			
Mass	Approx. 10g	Approx. 15g	Approx. 25g	Approx. 35g

- **Special Specifications Available**

Special shaft machining, non-standard resistance values, custom cabling, wire-wound type, IP54 sealing (friction increases).

Note 1: Customers should test and verify device performance in any given application. General specifications values are measured at temperatures of +15°C ~ +35°C. Specifications are subject to change without notice.