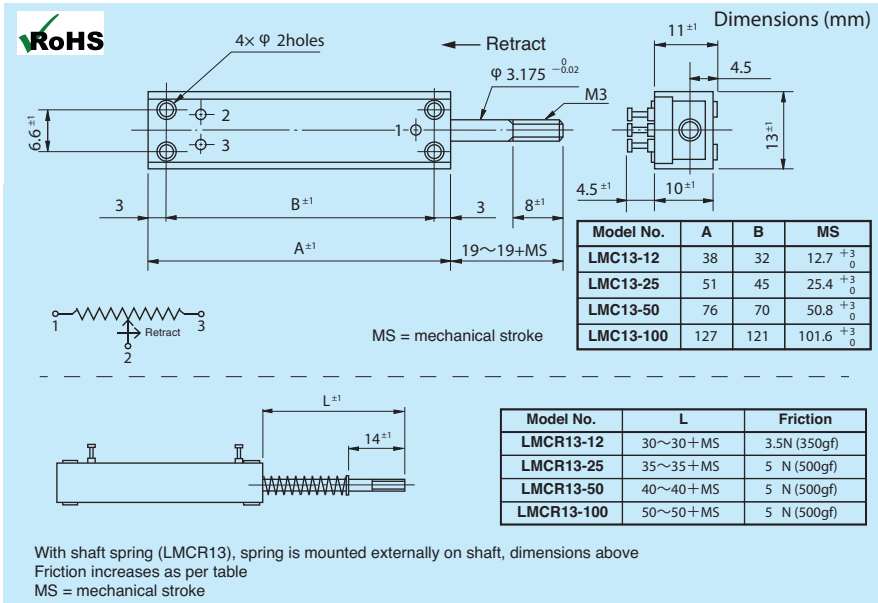


**Linear Motion Conductive Plastic Potentiometer**

**Series LMC13 (w/out spring return)**  
**LMCR13 (w/spring return)**



- **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
<b>Standard Resistance Values</b>	500,1k,2k,5k,10k $\Omega$	500,1k,2k,5k,10k $\Omega$	1k,2k,5k,10k,20k $\Omega$	1k,2k,5k,10k,20k $\Omega$
<b>Total Resistance Tolerance</b>	$\pm 20\%$			
<b>Independent Linearity Tolerance</b>	$\pm 2.0\%$ (1.0% option)	$\pm 1.5\%$ (0.7% option)	$\pm 1.0\%$ (0.5% option)	$\pm 0.7\%$ (0.3% option)
<b>Resolution</b>	Essentially Infinite			
<b>Output Smoothness</b>	Within 0.1% against input voltage			
<b>Contact Resistance Variation</b>	Within 2% C.R.V.			
<b>Power Rating</b>	0.2W	0.4W	0.7W	1.2W
<b>Electrical Stroke</b>	12.7 $\pm$ 0.5mm	25.4 $\pm$ 0.5mm	50.8 $\pm$ 0.5mm	101.6 $\pm$ 0.5mm
<b>Mechanical Stroke (MS)</b>	12.7 $^{+3}_0$ mm	25.4 $^{+3}_0$ mm	50.8 $^{+3}_0$ mm	101.6 $^{+3}_0$ mm
<b>Insulation Resistance</b>	Over 1,000M $\Omega$ at 500V.D.C.			
<b>Dielectric Strength</b>	1 minute at 500V.A.C.			
<b>Friction (w/out shaft spring return)</b>	< 0.5N (50gf)			< 1.0N (100gf)
<b>Stopper Strength</b>	Approx. 20N (2kgf)			
<b>Resistance Temperature Coefficient</b>	$\pm 400$ p.p.m./ $^{\circ}$ C			
<b>Operating Temperature</b>	-30 $^{\circ}$ C ~ +105 $^{\circ}$ C			
<b>Life Expectancy</b>	20,000,000 reciprocating motions			
<b>Vibration</b>	15G 10Hz to 2,000Hz 12 hours			
<b>Shock</b>	50G 11ms 18 times			
<b>Protection Grade</b>	IP40 (IP54 option)			
<b>Mass</b>	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 $^{\circ}$ C ~ +35 $^{\circ}$ C. Specifications are subject to change without notice.