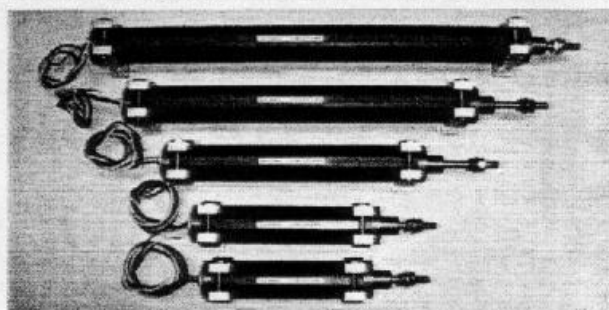


EMOMIJI PRECISION CONDUCTIVE PLASTIC POTENTIOMETER

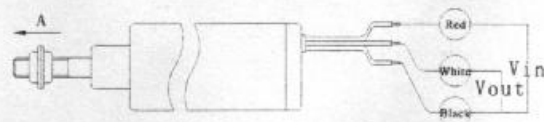
LCP-FD SERIES



PRODUCT FEATURES

- Linear Sensing Distance: 30~200mm;
- Using Aluminum Alloy Materials;
- Light Weight & Small Operating Friction.

CIRCUIT CONNECTION



OUTLINE & MOUNTING DIMENSIONS

MODEL	LCP-30FD	LCP-50FD	LCP-60FD	LCP-100FD	LCP-150FD	LCP-200FD
Outline Dimensions (A)	68 ± 1mm	88 ± 1mm	98 ± 1mm	138 ± 1mm	188 ± 1mm	238 ± 1mm
Mechanical Travel (B)	33 ± 1mm	53 ± 1mm	63 ± 1mm	103 ± 1mm	153 ± 1mm	203 ± 1mm
(C)	54mm	74mm	84mm	124mm	174mm	224mm

ELECTRICAL CHARACTERISTICS

MODEL	LCP-30FD	LCP-50FD	LCP-60FD	LCP-100FD	LCP-150FD	LCP-200FD
Effective Electrical Travel	30mm	50mm	60mm	100mm	150mm	200mm
Total Resistance Value	1, 2, 5KΩ					1, 2, 5, 10K
Total Resistance Tolerance	± 20%					
Independent Linearity	± 0.5%					
Power Rating	1.5W/70°	1.5W/70°	1.5W/70°	2.5W/70°	3W/70°	4W/70°
Output Smoothness	0.1% Max					
Insulation Resistance	Max 100MΩ at DC500V					
Dielectric strength	AC500V For 1 Minute					
Resistance of Temperature Coefficient	± 500ppm/°C					

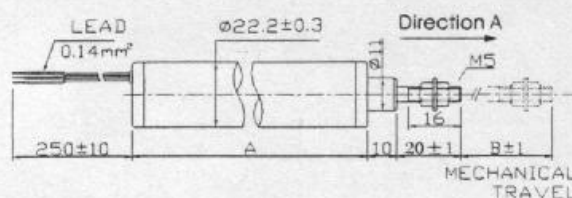
MECHANICAL CHARACTERISTICS

MODEL	LCP-30FD	LCP-50FD	LCP-60FD	LCP-100FD	LCP-150FD	LCP-200FD
Operating Force	98 × 10 ⁻² N (100gf) Max					
Weight	About 55g	About 75g	About 85g	About 100g	About 140g	About 170g

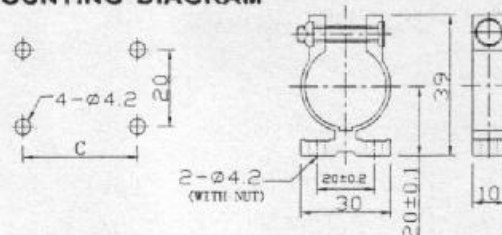
ENVIRONMENTAL CHARACTERISTICS

Operating Temperature Range	-40~100°C
Vibration	98m/s ² (10G) 500Hz
Shock	490m/s ² (50G) 11ms
Life Cycle	5 million cycles

OUTLINE DRAWING



MOUNTING DIAGRAM



OUTPUT CHARACTERISTICS

