

&lt;RoHS Compliance&gt;

# LP-FP series

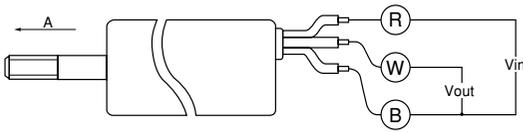
## LP-30FQJ

### FEATURES

- Compact & Light weight
- $\phi$  12mm housing: LP-FP series
- $\phi$  8mm housing: LP-30FQJ

### SCHEMATIC

(R) =RED  
 (W) =WHITE  
 (B) =BLACK



Red, White and Black indicate harness colors

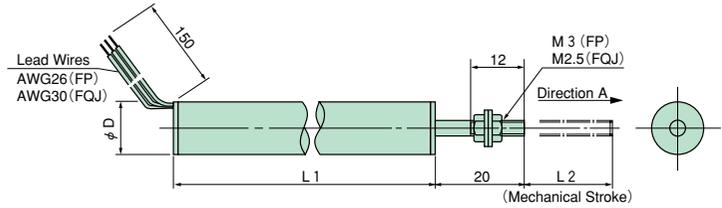
### Electrical Specifications

Model No.	LP-20FP	LP-30FP	LP-50FP	LP-30FQJ
Electrical Stroke	20mm $\pm$ 0.5mm	30mm $\pm$ 0.5mm	50mm $\pm$ 0.5mm	30mm $\pm$ 0.5mm
Total Resistance	1k $\Omega$			1k $\Omega$
Total Resistance Tolerance	$\pm$ 20%			
Independent Linearity	$\pm$ 1%			
Power Rating	0.6W/70 $^{\circ}$ C	0.9W/70 $^{\circ}$ C	1.5W/70 $^{\circ}$ C	0.9W/70 $^{\circ}$ C
Output Smoothness	0.1%MAX.			
Insulation Resistance	100M $\Omega$ MIN. DC 500V			
Dielectric Strength	AC500V 1 Minute			
TC of Resistance	$\pm$ 1000ppm / $^{\circ}$ C			$\pm$ 400ppm / $^{\circ}$ C

### Mechanical Specifications

Friction	0.4N MAX.			0.3N MAX.
Weight	Approx. 18g	Approx. 20g	Approx. 25g	Approx. 15g

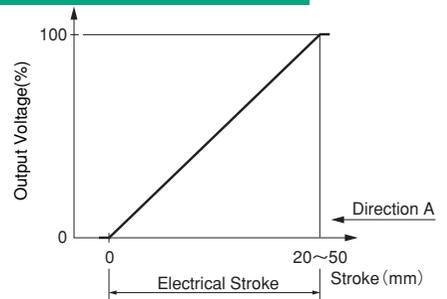
### DIMENSION (mm)



### Housing Length

Model No.	LP-20FP	LP-30FP	LP-50FP	LP-30FQJ
Housing	48mm	58mm	78mm	63mm
Length(L1)	$\phi$ 12mm			$\phi$ 8mm
Mech. Stroke(L2)	22 $\pm$ 1mm	32 $\pm$ 1mm	52 $\pm$ 1mm	35 $\pm$ 1mm

### OUTPUT CHARACTERISTICS



### MOUNTING HARDWARE

2-M3 Nuts, 2-Washers