



## Standard Model Nos.

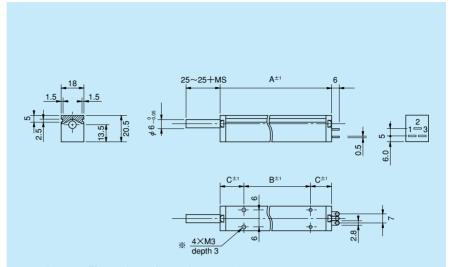
 18FLPA15
 Stroke
 15mm

 18FLPA30
 Stroke
 30mm

 18FLPA50
 Stroke
 50mm

 18FLPA100
 Stroke
 100mm

## Standard Dimensions



Note: \* Please do not fasten the mounting screws over 3mm. in order to prevent the damage of the inside resistive element.

Model No.	Mechanical Stroke (MS)	Dimensions		
		Α	В	С
18FLPA15	15	50.0	25.0	12.5
18FLPA30	30	65.0	40.0	12.5
18FLPA50	50	85.0	50.0	17.5
18FLPA100	100	135.0	100.0	17.5

## General Specifications

Model No.		18FLPA15	18FLPA30	18FLPA50	18FLPA100	
Standard Resistance Values		500,1k,2k,5k,10k (Ω)	500,1k,2k,5k,10k (Ω)	500,1k,2k,5k,10k (Ω)	1k,2k,5k,10k,20k (Ω)	
Total Resistance Tolerance		±10% (K)				
Independent Linearity Tolerance	Standard Class	±0.7%		±0.4%	±0.3%	
	Precision Class	±0.5%		±0.25%	±0.2%	
Resolution		Essentially Infinite				
Output Smoothness		Within 0.1% against input voltage				
Contact Resistance Variation		Within 2% C.R.V.				
Power Rating		0.3W	0.6W	0.75W	1.25W	
Electrical Stroke		15±0.5mm	30±0.5mm	50±0.5mm	100±0.5mm	
Mechanical Stroke (MS)		15 <sup>+2</sup> <sub>0</sub> mm	30 <sup>+2</sup> <sub>0</sub> mm	50 <sup>+2</sup> <sub>0</sub> mm	100 <sup>+2</sup> mm	
Insulation Resistance		Over 1,000M Ω at 1,000V.D.C.				
Dielectric Strength		1 minute at 1,000V.A.C.				
Friction		Within 0.3N (30gf)		Within 1N (100gf)		
Stopper Strength		Approx. 90N (9kgf)				
Resistance Temperature C	±400p.p.m./°C					
Mass		Approx. 60g	Approx. 70g	Approx. 100g	Approx. 140g	

## Special Specifications Available

Higher resistance value ( $50k\Omega$ ,  $100k\Omega$  [ $100k\Omega$  is available for 18FLPA100 only], Cardan joint, Stroke 150mm (S18FLPA150), Stroke 200mm (S18FLPA200), Sealed type (IP54, The length of "A" is extended by abt. 6mm.), Spring return device (up to 100mm. stroke. Friction is 3N [300gf]. Spring return device is mounted on the outer shaft and the shaft is extended by some extent depending on the models. For details, please ask us.), Special machining on the shaft.