

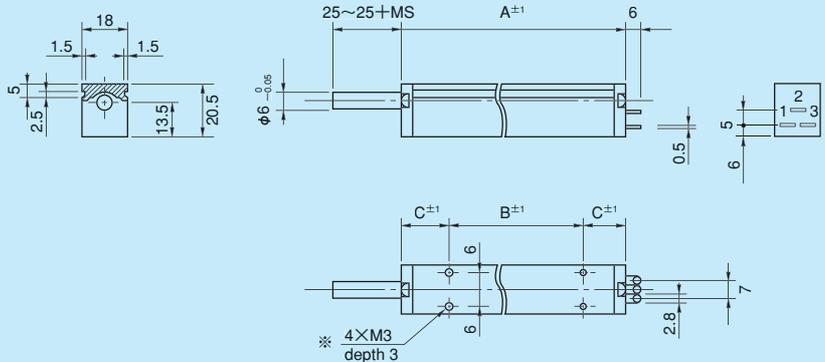
MODEL 18FLPA

- Conductive Plastic
- With front extended shaft
- RoHS Compliant

● Standard Dimensions



Model 18FLPA50



Note: ※ Please do not fasten the mounting screws over 3mm. in order to avoid damaging the inside resistive element.

| Model No. | Mechanical Stroke (MS) | Dimensions | | |
|-----------|------------------------|------------|-------|------|
| | | A | B | C |
| 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 |

● Standard Model Numbers

| | | |
|--------|-------|-----------|
| Stroke | 15mm | 18FLPA15 |
| Stroke | 30mm | 18FLPA30 |
| Stroke | 50mm | 18FLPA50 |
| Stroke | 100mm | 18FLPA100 |

● 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 ⁺² ₀ mm | 30 ⁺² ₀ mm | 50 ⁺² ₀ mm | 100 ⁺² ₀ mm |
| Insulation Resistance | Over 1,000MΩ 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 Coefficient | ±400p.p.m./°C | | | |
| Mass | Approx. 60g | Approx. 70g | Approx. 100g | Approx. 140g |

● Special Specifications Available

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- Stroke 150mm (S18FLPA150)
- Stroke 200mm (S18FLPA200)
- Sealed type (IP54, The length of "A" is extended by abt. 6mm.)
- With spring return device (up to 100mm stroke. Friction is 3N [300gf]. Spring return device is mounted on the outer shaft but the length of the shaft is the same as the standard.)
- Special machining on the shaft