

## 16MM SIZE ROTARY POTENTIOMETERS (PLASTIC SHAFT)

### Mechanical Characteristics:

|                                 |                           |  |
|---------------------------------|---------------------------|--|
| Total rotational angle          | 300° ± 5°                 | Switch Rotational angle<br>35° ± 5°          |
| Rotational torque               | 2 ~ 20mN.m (20 ~200gf.cm) | Switch Action<br>15-45mNm.<br>(150-450gf.cm) |
| Rotation stopper strength       | 0.7N.m (7kgf.cm)          |  |
| Push pull strength              | 80N (4kgf)                |  |
| Bushing nut tightening strength | 0.7N.m (7kgf.cm)          |  |

### Electrical characteristics:

|                            |                                       |   |
|----------------------------|---------------------------------------|---|
| Total resistance           | 500Ω~1MΩ                              |   |
| Total resistance tolerance | ± 20% (more than 1MΩ ± 30%)           |   |
| Rated power                | Curve B:0.2W<br>Other than B:0.1W     | Switch Rated Power<br>0.5A at AC/250V               |
| Max. operating voltage     | curve B : 200V<br>Other than B : 150V | Switch Contact Resistance<br>less than 30mΩ         |
| Resistance taper           | A,B,C,D,W                             |   |
| Residual resistance        | R≥250KΩ<br>250KΩ >R>10 KΩ<br>10 KΩ≥R  | 0.1% max. of total resistance<br>20Ω max<br>10Ω max |
| Insulation resistance      | More than 100MΩ at DC 500V            |   |
| Withstand voltage          | for 1 minute or more at AC 500V       |   |
| Slide noise                | less than 80mV                        |   |

### Durability:

|                 |               |
|-----------------|---------------|
| Rotational life | 10,000 Cycles |
|-----------------|---------------|