

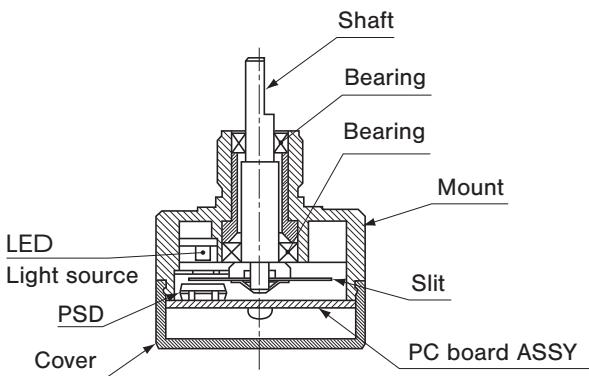
OPTICAL CONTACTLESS TYPE

JT22

RoHS compliant



Basic construction



■ FEATURES

- Contactless configuration offers much longer life
- Low torque 0.147 mN·m {1.5 gf·cm} maximum
- Superior temperature characteristic due to temperature compensation circuit incorporated
- Wide effective electrical angle (120° • 320°)
- RoHS compliant

Optical contactless single turn type

■ PART NUMBER DESIGNATION

J T 2 2 - 1 2 0 - 5 0 0

Series name

Effective electrical angle

120 : 120° 320 : 320°

Output

0 : 0.5 ~ 4.5 V

Input voltage

5 : DC5 V C : DC12 V

■ LIST OF PART NUMBERS

| Effective electrical angle | Input voltage | Part number |
|----------------------------|---------------|--------------|
| 120° | DC5 V | JT22-120-500 |
| | DC12 V | JT22-120-C00 |
| 320° | DC5 V | JT22-320-500 |
| | DC12 V | JT22-320-C00 |

※ Verify the above part numbers when placing orders.

JT22 POTENTIOMETERS

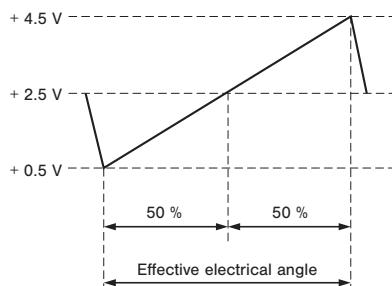
■ STANDARD SPECIFICATIONS

● Electrical characteristics

| | | | | |
|----------------------------|---|----------------|------|------|
| Input voltage | DC5 V ± 0.25 V | DC12 V ± 0.6 V | | |
| Dissipation | 40 mA maximum | | | |
| Effective electrical angle | 120° | 320° | 120° | 320° |
| Output voltage | +0.5 ~ +4.5 V | | | |
| Absolute linearity ※ 1 | ± 3.0 % | | | |
| Temperature sensitivity | ± 3.0 %FS ($\pm 2.0\%$ FS/-30 ~ 70 °C) | | | |
| Temperature medium drift | ± 40 mV | | | |
| Insulation resistance | 100 MΩ (at DC500 V) minimum | | | |
| Dielectric strength | AC500 V (1 min) | | | |

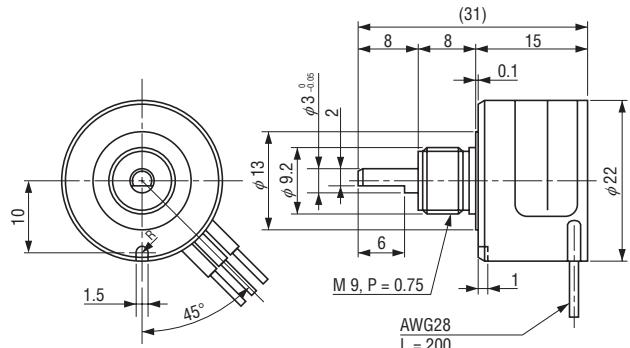
※ 1 At normal temp.

■ OUTPUT

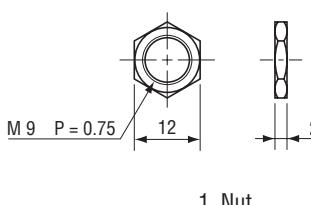


※ The output increases with CW shaft rotation.

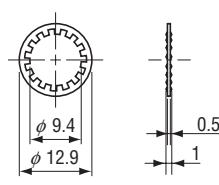
■ OUTLINE DIMENSIONS



⟨Accessories⟩



1. Nut



2. Washer

■ ELECTRICAL WIRING

| | |
|-------|-------------|
| Red | Power + |
| Black | Power 0 (V) |
| White | Output |