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 (± 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.

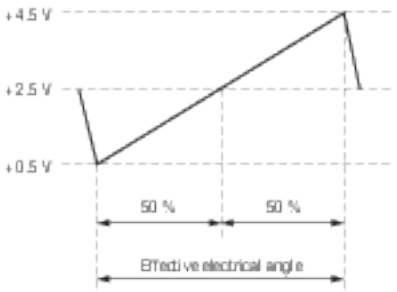
Mechanical characteristics

Starting torque	0.147 mN·m (1.5 gf·cm) maximum (at normal temp.)
Maximum rotational speed	1500 min^{-1}
Mechanical angle	360° continuous
Rotational life	1 × 10^6 revolution (at 25 °C, 200 min^{-1})
Vibration	147 m/s^2 (15 G) 30 ~ 200 Hz, 30 h
Shock	294.2 m/s^2 (30 G) minimum
Strength of tighten screw	0.49 N·m (5 kgf·cm) maximum

Environmental characteristics

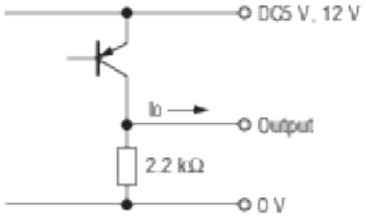
Operating temp. range	–30 ~ 80 °C
Storage temp. range	–30 ~ 85 °C
Humidity	Relative humidity 95 % maximum
Net weight	Approx. 12g
Protection grade	IP40

OUTPUT



※ The output increases with CW shaft rotation.

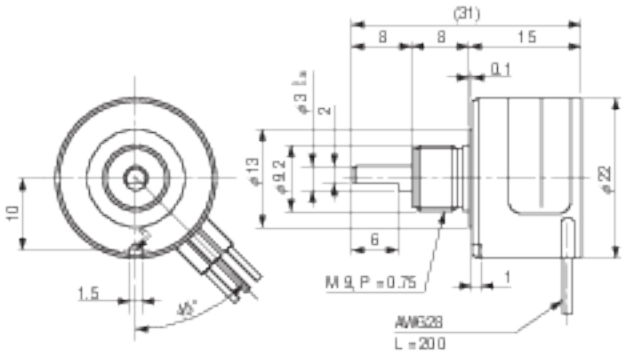
OUTPUT CIRCUITRY



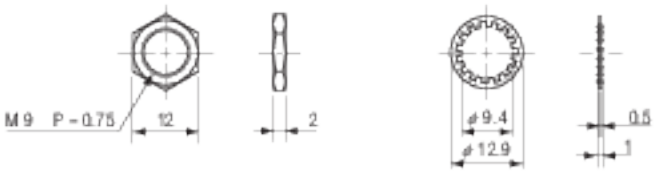
Io：20 mA max.

OUTLINE DIMENSIONS

(Unit: mm)



〈Accessories〉



1. Nut 2. Washer

ELECTRICAL WIRING

Red	Power ⊕
Black	Power 0 (V)
White	Output