



Feature

- 1.Dust proof construction protects the interior from dust,which maintains stable characteristics.
- 2.FR-4 element materials compliant to flow high peak temperature lead free soldering.
- 3.Long life,over 200,000 Cycles .

FSE28 Series position sensor

Electrical characteristics

- Resistance range.....1K~1M(4.7K)
- Total resistance tolerance..... $\pm 20\%$
- Taper style.....B taper
- Power rated.....0.1W
- Linearity $\pm 2\%$
- Rotational noise80mV
- Rated voltageDC5V $\pm 0.5V$

Mechanical characteristics

- Electrical angle..... $250^\circ \pm 3^\circ$
- Rotational torque.....0~50gf.cm
- Push pull strength of Shaft.....1.0kgf for 10 seconds min
- Total rotatioanal angle..... 360° (Endless)

Typical Applications

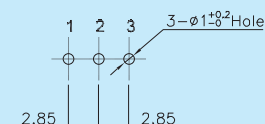
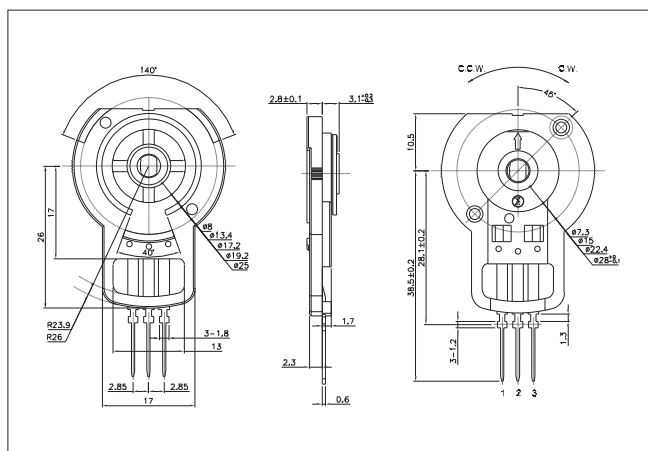
- HAVC sensor
- Rotary angle sensor

Environmental characteristics

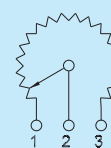
• Storage temperature.....	-40°C to +85°C
• Operating temperature.....	-40°C to +85°C
• Life cycles.....	200,000 Cycles Min
• Dry heat.....	+85±3°C, 168±4H △TR:±40%,Linearity:±3%
• Cold.....	+40±3°C, 168±4H △TR:±40%,Linearity:±3%
• Humidity.....	60±2°C, 90~95RH,250±8H △TR:±40%,Linearity:±3%
• Temperature cycles.....	-40°C~+85°C, 5cycles △TR:±40%,Linearity:±3%

FSE280101

vertical Type



P.C.B layout Dimension



Schematic



FSE28 Series

Rotary Position Sensor



HOW TO ORDER

