



## **AS5161-HSOP Information**

Part Number AS5161-HSOP
Manufacturer ams

Category Sensors, Transducers

Position Sensors - Angle, Linear Position Measuring

**Description** POS SENSOR ROTARY 12-BIT 8-SOIC

Package -

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

# **Certified Quality**

For Reference Only

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **AS5161-HSOP Specifications**

Manufacturer Part Number       AS5161-HSOP         Manufacturer       ams         Category       Sensors, Transducers         Position Sensors - Angle, Linear Position Measuring         Package       -         Series       -         For Measuring       Angle         Rotation Logy       Hall Effect         Rotation Angle - Electrical, Mechanical       0° ~ 360°, Continuous         Linear Range       -         Output       PWM         Output Signal       -         Actuator Type       External Magnet Not Included         Linearity       -         Resistance       -         Resistance Tolerance       -         Voltage - Supply       4.5 V ~ 5.5 V         Mounting Type       Surface Mount         Termination Style       SMD (SMT) Tab         Operating Temperature       -40°C ~ 150°C		
CategorySensors, TransducersPosition Sensors - Angle, Linear Position MeasuringPackage-Series-For MeasuringAngleTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputPWMOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity-Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 150°C	Manufacturer Part Number	AS5161-HSOP
Package-Series-For MeasuringAngleTechnologyHall EffectRotation Angle - Electrical, Mechanical $0^{\circ} \sim 360^{\circ}$ , ContinuousLinear Range-OutputPWMOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity-Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Manufacturer	ams
Package         -           Series         -           For Measuring         Angle           Technology         Hall Effect           Rotation Angle - Electrical, Mechanical         0° ~ 360°, Continuous           Linear Range         -           Output         PWM           Output Signal         -           Actuator Type         External Magnet Not Included           Linearity         -           Resistance         -           Resistance Tolerance         -           Voltage - Supply         4.5 V ~ 5.5 V           Mounting Type         Surface Mount           Termination Style         SMD (SMT) Tab           Operating Temperature         -40°C ~ 150°C	Category	Sensors, Transducers
Series-For MeasuringAngleTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputPWMOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity-Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 150°C		Position Sensors - Angle, Linear Position Measuring
For Measuring Technology Hall Effect Rotation Angle - Electrical, Mechanical Linear Range Output PWM Output Signal Actuator Type External Magnet Not Included Linearity Resistance Resistance Resistance Voltage - Supply Mounting Type Surface Mount Termination Style Operating Temperature Angle O° ~ 360°, Continuous Resistance Surface Mount Surface Mount SMD (SMT) Tab Operating Temperature	Package	-
TechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputPWMOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity-Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 150°C	Series	-
Rotation Angle - Electrical, Mechanical  Linear Range  Output  PWM  Output Signal  Actuator Type  External Magnet Not Included  Linearity  Resistance  -  Resistance  Pesistance  -  Resistance Tolerance  Voltage - Supply  Mounting Type  Surface Mount  Termination Style  Operating Temperature  Overage - 360°, Continuous  -  0° ~ 360°, Continuous  -  00tput  Supple  -  00tput  -  00 ~ 360°, Continuous  -  00tput  Supple  -  00 ~ 360°, Continuous  -  00tput  -	For Measuring	Angle
Linear Range-OutputPWMOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity-Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 150°C	Technology	Hall Effect
Output Signal - Actuator Type External Magnet Not Included Linearity - Resistance - Resistance Tolerance - Voltage - Supply 4.5 V ~ 5.5 V  Mounting Type Surface Mount Termination Style SMD (SMT) Tab Operating Temperature -40°C ~ 150°C	Rotation Angle - Electrical, Mechanical	0° ~ 360°, Continuous
Output Signal - Actuator Type External Magnet Not Included  Linearity - Resistance - Resistance Tolerance - Voltage - Supply 4.5 V ~ 5.5 V  Mounting Type Surface Mount  Termination Style SMD (SMT) Tab Operating Temperature Output Signal - External Magnet Not Included  - Surface Mount Surface Mount	Linear Range	-
Actuator Type External Magnet Not Included  Linearity - Resistance - Resistance Tolerance - Voltage - Supply 4.5 V ~ 5.5 V  Mounting Type Surface Mount  Termination Style SMD (SMT) Tab  Operating Temperature -40°C ~ 150°C	Output	PWM
Linearity-Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Output Signal	-
Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Actuator Type	External Magnet Not Included
Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Linearity	-
Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting Type $\text{Surface Mount}$ Termination Style $\text{SMD (SMT) Tab}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Resistance	-
Mounting Type  Surface Mount  Termination Style  Operating Temperature  Surface Mount  SMD (SMT) Tab  -40°C ~ 150°C	Resistance Tolerance	-
Termination Style SMD (SMT) Tab  Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Voltage - Supply	4.5 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Mounting Type	Surface Mount
	Termination Style	SMD (SMT) Tab
Report errors?	Operating Temperature	-40°C ~ 150°C
		Report errors?

### **AS5161-HSOP Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

# **AS5161-HSOP Payment Methods**



















## **AS5161-HSOP Shipping Methods**













If you have any question about AS5161-HSOP, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com