

AK7451 Information



For Reference Only

Part Number AK7451

Manufacturer AKM Semiconductor Inc.
Category Sensors, Transducers

Position Sensors - Angle, Linear Position Measuring

Description IC MAGNETIC ROTATE SENSOR 16SOP

Package -

For the pricing/inventory/lead time, please contact

us

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



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AK7451 Specifications

Manufacturer Part Number AK7451 Manufacturer AKM Semiconductor Inc. Category Sensors, Transducers Position Sensors - Angle, Linear Position Measuring Package - Series - For Measuring Angle Technology Hall Effect Rotation Angle - Electrical, Mechanical 0° ~ 360°, Continuous Linear Range - Output SPI Output Signal Logic Actuator Type External Magnet Not Included Linearity ±0.6° Resistance - Resistance Tolerance - Voltage - Supply 4.5 V ~ 5.5 V Mounting Type Surface Mount Termination Style SMD (SMT) Tab Operating Temperature -40°C ~ 125°C		
Category Sensors, Transducers Position Sensors - Angle, Linear Position Measuring Package - Series - For Measuring Angle Technology Hall Effect Rotation Angle - Electrical, Mechanical Linear Range - Output SPI Output Signal Actuator Type External Magnet Not Included Linearity ### ### ############################	Manufacturer Part Number	AK7451
Package-Series-For MeasuringAngleTechnologyHall EffectRotation Angle - Electrical, Mechanical $0^{\circ} \sim 360^{\circ}$, ContinuousLinear Range-OutputSPIOutput SignalLogicActuator TypeExternal Magnet Not IncludedLinearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination Style $5000000000000000000000000000000000000$	Manufacturer	AKM Semiconductor Inc.
Package - Series For Measuring Angle Angle Fechnology Hall Effect Rotation Angle - Electrical, Mechanical 0° ~ 360°, Continuous Linear Range - Coutput Spl Logic Sextendard Magnet Not Included Linearity ±0.6° External Magnet Not Included Linearity ±0.6° Resistance - Resistance Tolerance - Voltage - Supply 4.5 V ~ 5.5 V Mounting Type Surface Mount Surface Mount Type Sur	Category	Sensors, Transducers
Series-For MeasuringAngleTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputSPIOutput SignalLogicActuator TypeExternal Magnet Not IncludedLinearity±0.6°Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 125°C		Position Sensors - Angle, Linear Position Measuring
For Measuring Technology Hall Effect Rotation Angle - Electrical, Mechanical O° ~ 360°, Continuous Linear Range Output SPI Output Signal Actuator Type External Magnet Not Included Linearity ±0.6° Resistance Resistance Resistance Tolerance Voltage - Supply 4.5 V ~ 5.5 V Mounting Type Surface Mount Termination Style Operating Temperature -40°C ~ 125°C	Package	-
TechnologyHall EffectRotation Angle - Electrical, Mechanical $0^{\circ} \sim 360^{\circ}$, ContinuousLinear Range-OutputSPIOutput SignalLogicActuator TypeExternal Magnet Not IncludedLinearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Series	-
Rotation Angle - Electrical, Mechanical Linear Range Output SPI Output Signal Actuator Type External Magnet Not Included Linearity Existance Resistance - Resistance Voltage - Supply Mounting Type Surface Mount Termination Style Operating Temperature Output Signal - Continuous Operating Spi Logic External Magnet Not Included ±0.6° External Magnet Not Included ±0.6° External Magnet Not Included ±0.6° Switch Continuous Spi Logic External Magnet Not Included ±0.6° External Magnet Not Included ±0.6° Switch Continuous - Spi Logic External Magnet Not Included ±0.6° External Magnet Not Included	For Measuring	Angle
Linear Range-OutputSPIOutput SignalLogicActuator TypeExternal Magnet Not IncludedLinearity±0.6°Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 125°C	Technology	Hall Effect
Output SignalLogicActuator TypeExternal Magnet Not IncludedLinearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Rotation Angle - Electrical, Mechanical	$0^{\circ} \sim 360^{\circ}$, Continuous
Output SignalLogicActuator TypeExternal Magnet Not IncludedLinearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Linear Range	-
Actuator TypeExternal Magnet Not IncludedLinearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Output	SPI
Linearity $\pm 0.6^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Output Signal	Logic
Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	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 $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Linearity	$\pm 0.6^{\circ}$
Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting Type Surface Mount Termination Style SMD (SMT) Tab Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Resistance	-
Mounting Type Surface Mount Termination Style Operating Temperature SMD (SMT) Tab -40°C ~ 125°C	Resistance Tolerance	-
Termination Style SMD (SMT) Tab Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Voltage - Supply	4.5 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Mounting Type	Surface Mount
	Termination Style	SMD (SMT) Tab
	Operating Temperature	-40°C ~ 125°C
Report errors?		Report errors?

AK7451 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.

AK7451 Payment Methods



















AK7451 Shipping Methods













If you have any question about AK7451, please do not hesitate to contact us!

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