



AS5050A-BQFM Information

AS5050A-BQFM Part Number

Manufacturer ams

Category Sensors, Transducers

Position Sensors - Angle, Linear Position Measuring

IC ENCODER ROTARY 10BIT 16QFN **Description**

Package

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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Certified Quality

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.









AS5050A-BQFM Specifications

Manufacturer Part Number AS5050A-BQFM Manufacturer ams Category Sensors, Transducers Position Sensors - Angle, Linear Position Measuring Package - Series - For Measuring Rotary Position Technology Hall Effect Rotation Angle - Electrical, Mechanical 0° ~ 360°, Continuous Linear Range - Output SPI Output Signal - Actuator Type External Magnet Not Included Linearity ±1.41° Resistance - Resistance Tolerance - Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount Termination Style SMD (SMT) Tab		
CategorySensors, TransducersPosition Sensors - Angle, Linear Position MeasuringPackage-Series-For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputSPIOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1.41°Resistance-Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount	Manufacturer Part Number	AS5050A-BQFM
Package Series For Measuring Rotary Position Technology Hall Effect Rotation Angle - Electrical, Mechanical 0° ~ 360°, Continuous Linear Range Output Signal Actuator Type External Magnet Not Included Linearity ±1.41° Resistance Resistance Tolerance Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount	Manufacturer	ams
Package-Series-For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputSPIOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1.41°Resistance-Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount	Category	Sensors, Transducers
Series-For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputSPIOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1.41°Resistance-Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount		Position Sensors - Angle, Linear Position Measuring
For Measuring Technology Hall Effect Rotation Angle - Electrical, Mechanical Linear Range Output SPI Output Signal Actuator Type External Magnet Not Included Linearity Resistance Resistance Resistance Voltage - Supply Mounting Type Rotary Position Hall Effect 8 Continuous	Package	-
TechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputSPIOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1.41°Resistance-Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount	Series	-
Rotation Angle - Electrical, Mechanical 0° ~ 360°, Continuous Linear Range - Output SpI Output Signal - Actuator Type External Magnet Not Included Linearity ±1.41° Resistance - Resistance Tolerance - Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount	For Measuring	Rotary Position
Linear Range-OutputSPIOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1.41°Resistance-Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount	Technology	Hall Effect
Output Signal - Actuator Type External Magnet Not Included Linearity ±1.41° Resistance Tolerance - Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount	Rotation Angle - Electrical, Mechanical	0° ~ 360°, Continuous
Output Signal-Actuator TypeExternal Magnet Not IncludedLinearity $\pm 1.41^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $3 \text{V} \sim 3.6 \text{V}$ Mounting TypeSurface Mount	Linear Range	-
Actuator TypeExternal Magnet Not IncludedLinearity $\pm 1.41^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}$ Mounting TypeSurface Mount	Output	SPI
Linearity $\pm 1.41^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}$ Mounting TypeSurface Mount	Output Signal	-
Resistance - Resistance Tolerance - Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount	Actuator Type	External Magnet Not Included
Resistance Tolerance-Voltage - Supply3 V ~ 3.6 VMounting TypeSurface Mount	Linearity	±1.41°
Voltage - Supply 3 V ~ 3.6 V Mounting Type Surface Mount	Resistance	-
Mounting Type Surface Mount	Resistance Tolerance	-
	Voltage - Supply	3 V ~ 3.6 V
Termination Style SMD (SMT) Tab	Mounting Type	Surface Mount
Diff (Diff) 140	Termination Style	SMD (SMT) Tab
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Operating Temperature	-40°C ~ 85°C
Report errors?		Report errors?

AS5050A-BQFM 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.

AS5050A-BQFM Payment Methods



















AS5050A-BQFM Shipping Methods













If you have any question about AS5050A-BQFM, please do not hesitate to contact us!

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