

## MLX90316KDC-BCG-000-RE

### MLX90316KDC-BCG-000-RE Information



For Reference Only

Part NumberMLX90316KDC-BCG-000-REManufacturerMelexis Technologies NVCategorySensors, Transducers

Position Sensors - Angle, Linear Position Measuring

**Description** IC SENSOR ROTARY POSITION 8-SOIC

Package -

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com 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.









# MLX90316KDC-BCG-000-RE Specifications

Manufacturer Part Number       MLX90316KDC-BCG-000-RE         Manufacturer       Melexis Technologies NV         Category       Sensors, Transducers         Position Sensors - Angle, Linear Position Measuring         Package       -         Series       Triaxis?         For Measuring       Rotary Position         Technology       Hall Effect         Rotation Angle - Electrical, Mechanical       0° ~ 360°, Continuous         Linear Range       -         Output       Analog Voltage         Output Signal       -         Actuator Type       External Magnet Not Included         Linearity       ±1°         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         Report errors?		
CategorySensors, TransducersPosition Sensors - Angle, Linear Position MeasuringPackage-SeriesTriaxis?For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputAnalog VoltageOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1°Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 125°C	Manufacturer Part Number	MLX90316KDC-BCG-000-RE
Package-SeriesTriaxis?For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical $0^{\circ} \sim 360^{\circ}$ , ContinuousLinear Range-OutputAnalog VoltageOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity $\pm 1^{\circ}$ Resistance-Resistance Tolerance-Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Mounting TypeSurface MountTermination Style $5MD (SMT) Tab$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Manufacturer	Melexis Technologies NV
Package-SeriesTriaxis?For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputAnalog VoltageOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1°Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 125°C	Category	Sensors, Transducers
SeriesTriaxis?For MeasuringRotary PositionTechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputAnalog VoltageOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1°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  Analog Voltage  Output Signal  - Actuator Type  External Magnet Not Included  Linearity  #1°  Resistance  Resistance  -  Resistance  Voltage - Supply  4.5 V ~ 5.5 V  Mounting Type  Surface Mount  Termination Style  Operating Temperature  Rotatrical Mechanical  Poor A 360°, Continuous  -  **Analog Voltage*  **C ~ 125°C	Package	-
TechnologyHall EffectRotation Angle - Electrical, Mechanical0° ~ 360°, ContinuousLinear Range-OutputAnalog VoltageOutput Signal-Actuator TypeExternal Magnet Not IncludedLinearity±1°Resistance-Resistance Tolerance-Voltage - Supply4.5 V ~ 5.5 VMounting TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature-40°C ~ 125°C	Series	Triaxis?
Rotation Angle - Electrical, Mechanical  Linear Range  Output  Analog Voltage  Output Signal  Actuator Type  External Magnet Not Included  Linearity  Resistance  -  Resistance  7-  Resistance Tolerance  Voltage - Supply  Mounting Type  Surface Mount  Termination Style  Operating Temperature  Overage - Supply  As 360°, Continuous  -  Analog Voltage  External Magnet Not Included  -  External Mag	For Measuring	Rotary Position
Linear Range  Output  Analog Voltage  Output Signal  - Actuator Type  External Magnet Not Included  Linearity  ±1°  Resistance  - Resistance Tolerance  Voltage - Supply  4.5 V ~ 5.5 V  Mounting Type  Surface Mount  Termination Style  Operating Temperature  -  -  -  -  -  -  -  -  -  -  -  -  -	Technology	Hall Effect
Output Signal-Actuator TypeExternal Magnet Not IncludedLinearity $\pm 1^{\circ}$ 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° ~ 360°, Continuous
Output Signal-Actuator TypeExternal Magnet Not IncludedLinearity $\pm 1^{\circ}$ 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 $\pm 1^{\circ}$ 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	Analog Voltage
Linearity $\pm 1^{\circ}$ 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	-
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	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	±1°
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 TypeSurface MountTermination StyleSMD (SMT) TabOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	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
Report errors?	Operating Temperature	-40°C ~ 125°C
		Report errors?

### MLX90316KDC-BCG-000-RE Guarantees



### **Ouality 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.

## MLX90316KDC-BCG-000-RE Payment Methods





















## MLX90316KDC-BCG-000-RE Shipping Methods













If you have any question about MLX90316KDC-BCG-000-RE, please do not hesitate to contact us!

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