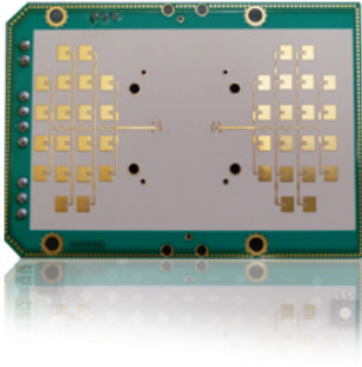


# LOW CONSUMPTION SPEED SENSOR

AMG061-002 - Radar



- Cost effective and highly performing
- Designed for low power uses (solar, battery)
- Configurable distance detection range
- Compact and lightweight

## DESCRIPTION

The AMG061-002 is a compact Doppler radar which operates in the 24 GHz K-band. It is a low-power sensor designed to offer exceptional detection performance and versatility for diverse traffic management applications.

This cost-effective sensor is well suited for battery and solar-powered uses. It has a fast-sleep/fast-wakeup function that allows two different radar processing consumption modes. One with a current of 89mA (@ 12V) when targets are detected and speed/distance measurements are carried out and, the other drawing 29mA (@ 12V) when there are no Doppler signals received which ensures low power consumption overall

## USE



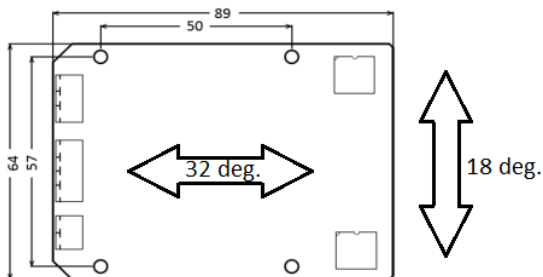
- Embarked speed measurement (rail applications)
- Presence detection or speed measurement to activate dynamic traffic signs.

## APPLICATIONS

- Vehicle activated traffic signs
- Traffic lights management
- Wrong-way detection
- Intelligent transport systems
- Temporary traffic control

## ADDITIONAL INFORMATION

### Mechanical drawing (mm)



## FEATURES

- 5 km/h to 255 km/h speed range
- Adjustable detection distance (10m to 150m)
- Up to 14 configurable speed thresholds
- Speed measured every 50 ms with 1km/h precision.
- Approach or bi-directional detection
- Rapid sleep / rapid wakeup function
- RS232 output. UART and RS485 available on request

**DISCLAIMER:** AMG Microwave reserves the right to make modifications to the design and characteristics of this product at any time and without prior notice.  
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**AMG**  
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