

24GHz Doppler Transceiver AMG038-004

Features

- VCO
- CW or FSK modulation
- Low consumption (70 mA typ)
- Detection range : 150 m (for a light vehicle)
- Low cost

Applications

- Speed measurement
- Traffic counting
- Distance measurement

Specifications



RF specifications

Frequency	K-band (24.05-24.25GHz)
Frequency tuning range	+/-35MHz
Output power	1mW (EIRP<20dBm)
Frequency stability	0,8 MHz/° C
Noise level (100 Hz - 10 kHz)	5 µVrms
Pushing	15 MHz/V
Mixer conversion loss (typ.)	0dB

Antennas

Beamwidth (-3 dB) Horiz	9.5 Deg
Side-lobe level Horiz	<-15 dB
Beamwidth (-3 dB) Vert	16.5 Deg
Side-lobe level Vert	<-15 dB
Gain per antenna	19 dB

Compliant with

EN300440

DC specifications

Supply voltage	+5V
Supply current	70 mA

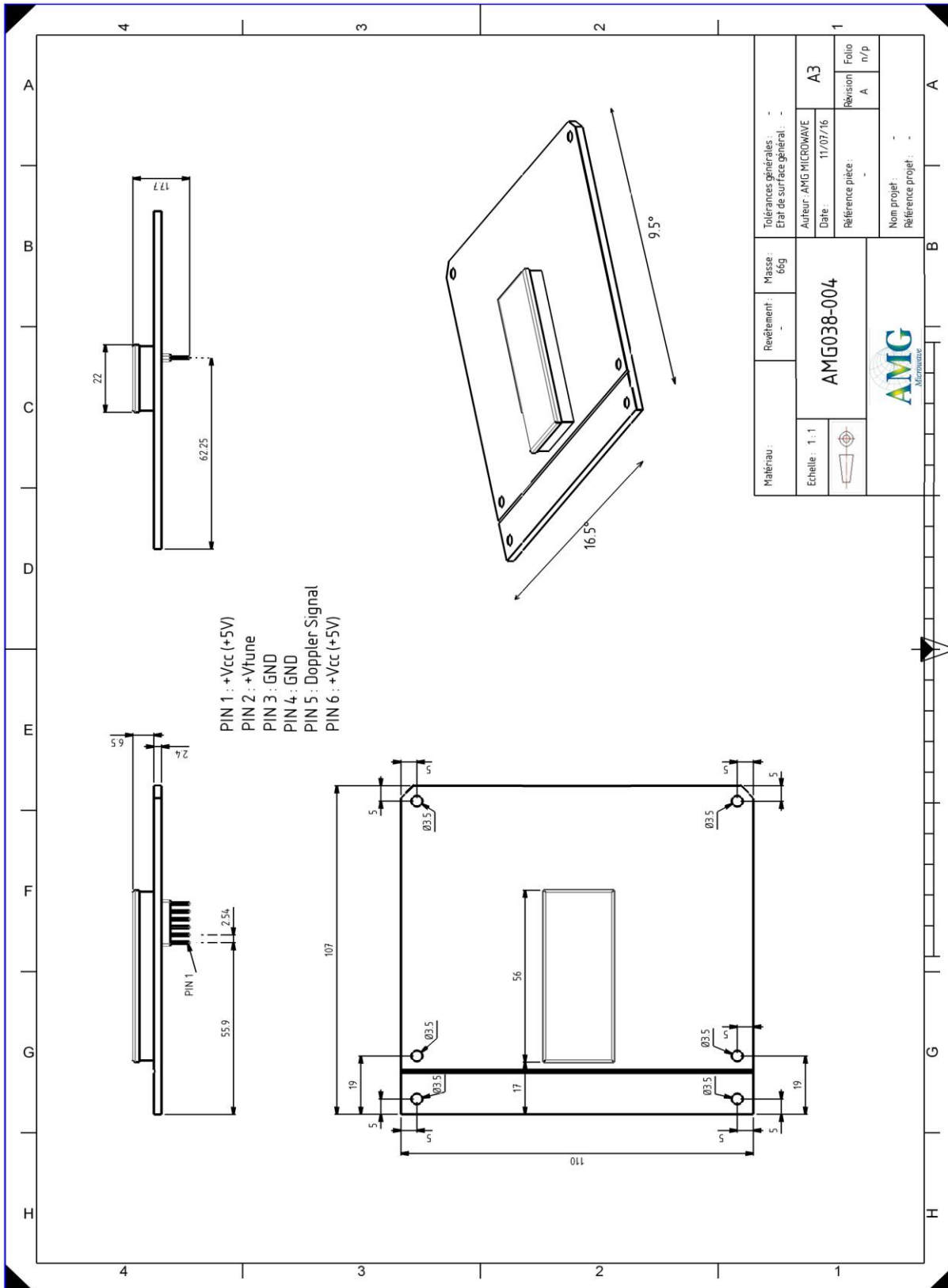
Mechanical specifications

Dimensions	107 x 110 x 10mm
Weight	74g
Connector	2.54mm step 6 pins connector

Environmental conditions

Operating temperature	-30° C..+70° C
Storing temperature	-40° C..+80° C

Drawing



DISCLAIMER :

Different technical specifications are possible upon request, AMG reserves the right to make modifications to the design and characteristic of the product at any times and without prior notice