

OPTICAL DUST & PARTICLE SENSOR

GP2Y1014AU



The GP2Y1014AU is an optical sensor for the detection of dust particles. The light reflected by the dust is detected by an integrated infrared diode and a phototransistor and can thus be determined in an analog value.

MAIN FEATURES

Interface	Analog
Operating voltage	5 V
Weight	15g
Dimensions	46 x 33 x 18 mm
Items delivered	GP2Y1014AU sensor, 6-Pin cable

SPECIFICATIONS

Analog output voltage	0 - 3.7 V
Working temperature	-10 to 65 °C
Storage temperature	-20 to 80 °C
Max. current consumption	20 mA
Ø Current consumption	11 mA

PARTICLE DETECTION

Min. particle detection	0.8 µm
Sensitivity	0.5 V / (0.1 mg/m ³)

WEITERE INFORMATIONEN

Article No.	SEN-GP2Y1014AU
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Customs Tariff No.	90269000