RoHS

■PM2.5 Sensor Module

◆Features

(1) Easy assembly for use in air purifiers and other products thanks to small size of 53 × 40 × 51 mm

(2) Industry's shortest[*1] detection time of 10 seconds

(3) Digital output model is also part of line-up

[*1] As of May 1, 2015 (measured by Sharp)

Analog output type: DN7C3CA007
Digital output type: DN7C3CD015

◆Standard Specifications

Model No.	DN7C3CA007 [Overseas]	DN7C3CD015 [Japan / Overseas]
Measuring range ($\mu g/m^3$)	25 to 500	25 to 500
Output type	Analog voltage	Digital PWM
Power supply voltage (Vcc/fan)	DC5 V / DC5 V	DC5 V / DC5 V
Power consumption (mW) (TYP.)	At sensor: 55, At fan: 450	At sensor: 75, At fan: 450
Output voltage range (V)	0 to 5 (MAX.)	Vhigh: Vcc-1.5 (MIN.), Vlow: 1.3 (MAX.)
Operating temperature range (°C)	−10 to +60	−10 to +60
Outline dimensions (mm)	53.0 × 40.0 × 51.0 (excluding protruding parts)	53.0 × 40.0 × 51.0 (excluding protruding parts)

■Temperature and Humidity Sensor

◆Features

(1) Package: 3.0 x 3.0 x 0.8 mm, reflowable, QFN

(2) Interface: I^2C

◆Standard Specifications

Model No.	QM1H0P00xx	
Sensor	Humidity sensor	Temperature sensor
Type	Macromolecule capacity	Semiconductor
Measuring range	0 to 100% RH	−20 to +85°C
Accuracy	±2% RH (25°C)	±0.3°C
Resolution	0.1% RH	0.015°C
Interface	I^2C	