

HSOL-9100

Surface-Mount Proximity Sensor

Data Sheet



Avago
ANALOG DEVICES

Description

The HSOL-9100 is an analog-output reflective sensor with an integrated high efficiency infrared emitter and photodiode housed in a small form factor SMD package. The optical proximity sensor is housed in a specially designed metal shield to ensure excellent optical isolation resulting in low optical cross-talk.

HSOL-9100 is a class of its own with its small form factor and an ultra-wide detection range from near zero to 40mm. It is fully optimized for high performance and ease of integration in a wide range of applications such as mobile

phones, PDAs, and other handheld devices. The sensor is designed to detect a wide range of materials with a pair of highly efficient, sensitive detectors.

Application Support Information

The Application Engineering Group is available to assist you with the application design associated with HSOL-9100 Proximity Sensor. You can contact them through your local sales representatives for additional details.

Features

- Excellent optical isolation resulting in near zero optical cross-talk
- High efficiency emitter and high sensitivity photodiode for high signal-to-noise ratio
- Low cost 8 lead fine miniature surface-mount package
 - Height - 2.75 mm
 - Width - 2.75 mm
 - Length - 7.50 mm
- Detect objects from near zero to 40mm
- Low dark current
- Guaranteed Temperature Performance -40° to 85°C

Applications

- Mobile phones
- Handhelds
- Industrial Control
- Printers, Photocopiers and Facsimile machines
- Home Appliances
- Imaging Machines

Order Information

Part Number	Packaging Type	Package	Quantity
HSOL-9100-001	Tape and Reel	PCB Substrate, mounted package	500
HSOL-9100-021	Tape and Reel	PCB Substrate, mounted package	2500

Johnson Controls Stc 9100 Manual

Minjie Lin



Johnson Controls Stc 9100 Manual:

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