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FAIRCHILD SEMICONDUCTOR®

QRD1113 / QRD1114 Reflective Object Sensor

Features

- Phototransistor Output
- No-Contact Surface Sensing
- Unfocused for Sensing Diffused Surfaces
- Compact Package
- Daylight Filter on sensor

Description

The QRD1113 and QRD1114 reflective sensors consist of an infrared emitting diode and an NPN silicon phototransistor mounted side by side in a black plastic housing. The on-axis radiation of the emitter and the on-axis response of the detector are both perpendicular to the face of the QRD1113 and QRD1114. The phototransistor responds to radiation emitted from the diode only when a reflective object or surface is in the field of view of the detector.





PIN 1. Collector PIN 3. Anode PIN 2. Emitter PIN 4. Cathode

Ordering Information

Part Number	Operating Temperature	Package	Top Mark	Packing Method
QRD1113	-40 to +85°C	Custom 4L	QRD1113	Bulk
QRD1114		Custom 4L	QRD1114	Bulk