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FARNELL IN ONE

Fibre Optic Detector

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Honeywell



lithic IC with an integral photodiode and amplification circuit, and an open collector Schottky output. The output allows it to be directly interfaced with standard TTI (Transistor-Transistor Logic) circuits.

Description 5Mb Direct Coupled Receiver SMA Single Hole 5Mb Direct Coupl SMA PCB Mount 5Mb Direct Coupl SMA 4 Hole 5Mb Direct Coupled ST PCB Mount 5Mb Direct Coupled	Mftrs. List No. Order Co HFD3023-500 108-218 HFD3023-500-AAA 108-218 HFD3023-500-ABA 108-218 HFD3023-500-ABA 108-218 HFD3023-500-BBA 108-218 HFD3023-500-BBA 108-218 HFD3023-500-BBA 108-218			Order Code 108-2182 108-2183 108-2184 108-2185 108-2185 108-2186 41943	
Mftrs. List No. HFD3023-500 HFD3023-500-AAA HFD3023-500-ABA	Order Code 108-2182 108-2183 108-2184	1+ 1,336.00 2,511.00 2 511.00	Price 5+ 1,084.00 2,014.00 2 014 00	Each 10+ 1,029.00 1,816.00	25+ 1,026.00

108-2185

108-2186

PIN Diode reciever ST PCB Mounting

HFD3023-500-BAA

HFD3023-500-BBA



Body overall, H=9.7, W=12.7, L=31.7, Lead Length=10mm. 2 holes drilled and tapped, 2.56 UNC-2B, Fixing centres=9.5mm Honeywell

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The HFD3065-002/XBA PIN Photodiode is designed for use in high speed fibre optic receivers. It has a large area detector, providing efficient response to 50 - 100 μ m diameter fibres at wavelengths of 750 to 950 nanometers. The case is electrically isolated from the anode and cathode terminals to enhance the EMI/RFI shielding thus increasing the sensitivity and speed characteristics. Works with emitters, HFE4080-321/XBA - Order Code 655089 or HFE4083-322/XBA - Order Code 7538910.

2,511.00 2,014.00 1,816.00

2,511.00 2,014.00 1,816.00

• Low capacitance High responsivity Absolute max. ratings: High speed Electrically isolated case Reverse voltage 50V Forward voltage 1.5V Electro optical characteristics Min Тур. Max. 0.52 0.55 Flux responsivity 1.0mm Active area Dark current 1.0nA 5 nA Response time (10-90% & 90-10%) 3.5 ns Capacitance 2.0pF VR=0,3.5pF VR=20V

		Price Each			
Mftrs. List No.	Order Code	1+	10+	100+	+
HFD3065-002/XBA	120-1185	2,123.00	1,797.00	1,668.00	

Single Fibre Duplex Modules



Honeywell

345949

A pair of dual wavelength fibre duplex modules that allow full duplex communication over a single fibre link. They may also be used where a dual fibre solution is neither possible nor economical. Alternatively, one duplex module may be used to double the capacity of an existing system.

Each duplex module consists of one on-axis port and one off axis port. These devices are coupled to the single fibre via integral lenses and a 3 dB wavelength differentiating mirror within the duplex module body. In this configuration the two duplex modules can communicate simultaneously and independently of each other.

Optoelectronics, Indicators, Lamps & Displays **395**



Mounting	Order Code	1+	Price Each 10+	25+
Emitters Panel, rear fitting PCB	120-8870 120-8872	1,485.00 1,485.00	1,068.00 1,068.00	1,040.00 1,040.00
Detectors Panel, rear fitting PCB	120-8873 120-8874	1,195.00 1,195.00	860.00 860.00	840.00 840.00

Fibre Optic Terminated Optical Leads

50/125 μ m glass, 200/230 μ m glass, 1mm polymer FIBRE DATA



1+

5,248.00

5,551.00

6,055.00

7,319.00

Length Order Code

50/125µm Glass Fibre

2m 120-8865

5m 120-8866

10m 120-8863

20m 120-8864

A range of fibre optical leads, terminated with 9mm FSMA connectors compatible with FSMA transmitters and receivers.

Type 50/125µm glass 200/230µm glass 1mm polymer	Core Dia. 0.050 0.200 1.0	Cladding Dia. 0.125 0.250 —	Cladding Dia. 2.5 3.2 2.2 206490
Price Each + 10+		25	+

3,189.00

3,374.00

3.680.00

4,449.00

3,849.00

3,528.00

3,848.00

4,651.00

ement available

- Full duplex over single fibre
- DC to 160 MHz link bandwidth
- Link budgets of 2 km (1.24 miles) or greater
- 40 dB isolation
- Low profile ST housing

200/230µm Glass Fibre							
2m	120-8907	3,822.00	3,008.00	2,863.00	2,739.00		
5m	120-8908	4,439.00	3,509.00	3,341.00	3,196.00		
10m	120-8909	5,438.00	4,296.00	4,090.00	3,912.00		
1mm Polymer							
1m	120-8867	2,098.00	1,884.00	1,241.00	1,075.00		
2m	120-8868	2,306.00	2,072.00	1,896.00	1,452.00		
5m	120-8869	2,604.00	2,338.00	2,143.00	1,642.00		

5

4,682.00

3,705.00

4.042.00

4,886.00

Compliant Non-compliant Limited stock - RoHS replact

395

300,000 products, stocked and ready to despatch

C = CYAN M = Magenta Y = Yellow B = Black/THAI