

Fiber Optic Pin Photodiodes and Receivers

Fig.	Output Current (mA)	Responsivity Min. / Typical	Output Rise Time - Typical (ns)	Digi-Key Part No.	Price Each			TT Electronics Part No.
					1	100	250	
1	25	5.3mV / 7µW	3.3	365-1025-ND	14.11	8.22	7.90	OPF2416T
2	—	0.45AW / 0.55AW	1.0	365-1029-ND	7.23	4.22	4.05	OPF480
3	—	0.45AW / 0.55AW	1.0	365-1030-ND	15.30	8.91	8.56	OPF482

Fiber Optic (850nm) Light-Emitting Diodes

Fig.	Optical Power Output Minimum / Typical	Output Rise Time - Typ. (ns)	Continuous Forward DC Current (mA)	Digi-Key Part No.	Price Each			TT Electronics Part No.
					1	100	250	
1	-17.3µW / -13.8µW	4.0	100	365-1024-ND	15.12	8.80	8.46	OPF1414T
2	25.0dBm / 29.0dBm	6.0	100	365-1026-ND	8.78	5.12	4.92	OPF370A
3	25.0µW / 29.0µW	6.0	100	365-1404-ND	17.21	10.02	9.64	OPF372A

Features: • Optical and environmental performance equivalent to LC type adapter • Easy, one hand separation of front and rear housing is possible by holding top and bottom of the front housing

Dimensions in mm

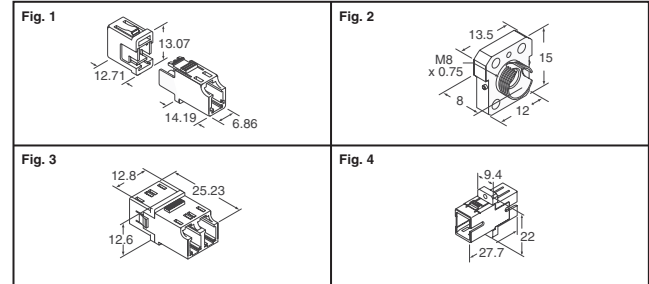


Fig.	Description	Digi-Key Part No.	Price Each			JAE Part No.
			1	100	250	
1	LC Simplex Ceramic	670-1000-ND	9.91	6.35	5.95	FO-EX-LCAD2
2	Rear Connector	670-1224-ND	11.43	8.14	7.37	FO-FC-RS-A2-R
		670-1225-ND	11.45	8.15	7.38	FO-FC-RS-A-R
3	DBL LC Duplex Ph-Brnz	670-1515-ND	12.79	9.10	8.25	FO-EX-2LCBD1
4	SC Simplex Ph-Brnz Blue	670-1516-ND	7.94	5.24	4.76	FO-EX-SCAD1-001

A

Honeywell Sensing and Control Modules and Detectors

Dimensions in mm

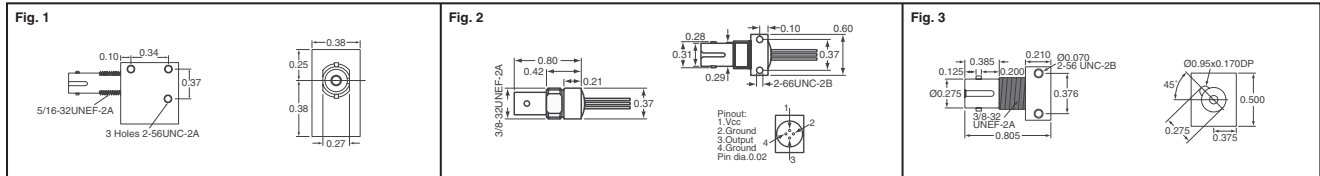
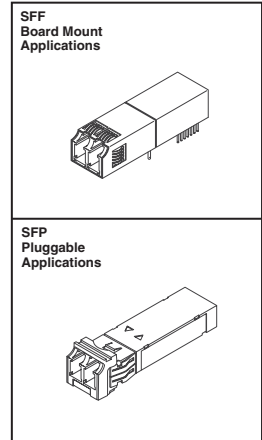


Fig.	Operating Temperature (°C)	Description	Digi-Key Part No.	Price Each			Honeywell Part No.
				1	10	100	
Single Fiber Duplex Modules							
1	0 - 70	1300nm Multimode Laser	480-2032-ND	185.42	159.26	142.20	HOD2236-111/BBA
		850nm VSCEL	480-2033-ND	172.19	147.89	132.05	HOD4090-111/BBA
Fiber Optic Detectors							
2	-40 - 85	850nm TTL TO46	480-2034-ND	34.10	27.82	24.68	HFD3023-500-BBA
3	-40 - 100	Silicon PIN Photodiode	480-2035-ND	26.46	21.71	19.00	HFD3065-002-BBA

Intel optical components are modular building blocks that enable networking equipment manufacturers to create standard-based products with shorter time to market and reduce development costs. SFF and SFP Optical Transceivers are key components in high-speed enterprise networks for electrical and optical signal conversion.

Description	Wave-length (nm)	Link Distance	Operating Temperature (°C)	Digi-Key Part No.	Price Each			Intel Part No.
					1	10	100	
Small Form-Factor Fixed (SFF)								
4/2/1Gbps, Multimode	850	150m	-20 ~ 85	874474-ND‡	43.46	41.29	31.51	TXN31015D200000
2/1Gbps Tri-Rate, Ethernet 1.25Gbps, Multimode	850	300m, 500m	-10 ~ 70	867721-ND	31.13	24.61	20.02	TXN310110100000
	850	300m, 500m	-10 ~ 70	859080-ND	29.65	28.17	21.50	TXN310110000000
Small Form-Factor Pluggable (SFP)								
4/2/1Gbps, Singlemode	1310	4km	-30 ~ 85	881112-ND‡	112.28	101.47	91.32	TXN21125D000000
	1310	10km	-30 ~ 85	867394-ND‡	166.21	157.62	149.02	TXN22125D000000
Ethernet 1.25Gbps, Singlemode	1310	10km	-20 ~ 85	867465-ND	63.05	55.41	48.72	TXN221200000000
2/1Gbps Tri-Rate, Ethernet 1.25Gbps, Multimode	850	300m, 500m	-20 ~ 85	886003-ND‡	29.48	28.01	21.37	TXN31111D100000
	850	300m, 500m	-20 ~ 85	871312-ND	29.48	28.01	21.37	TXN311110100000
	850	300m, 500m	-20 ~ 85	859091-ND	29.48	28.01	21.37	TXN311110000000

‡ On Board Diagnostic



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