

Fiber Pigtailed Photodiode Array

Model #: FPDA

Description: Fiber pigtailed photodiode array

Application: test and measurement, optical network monitoring, ADOM

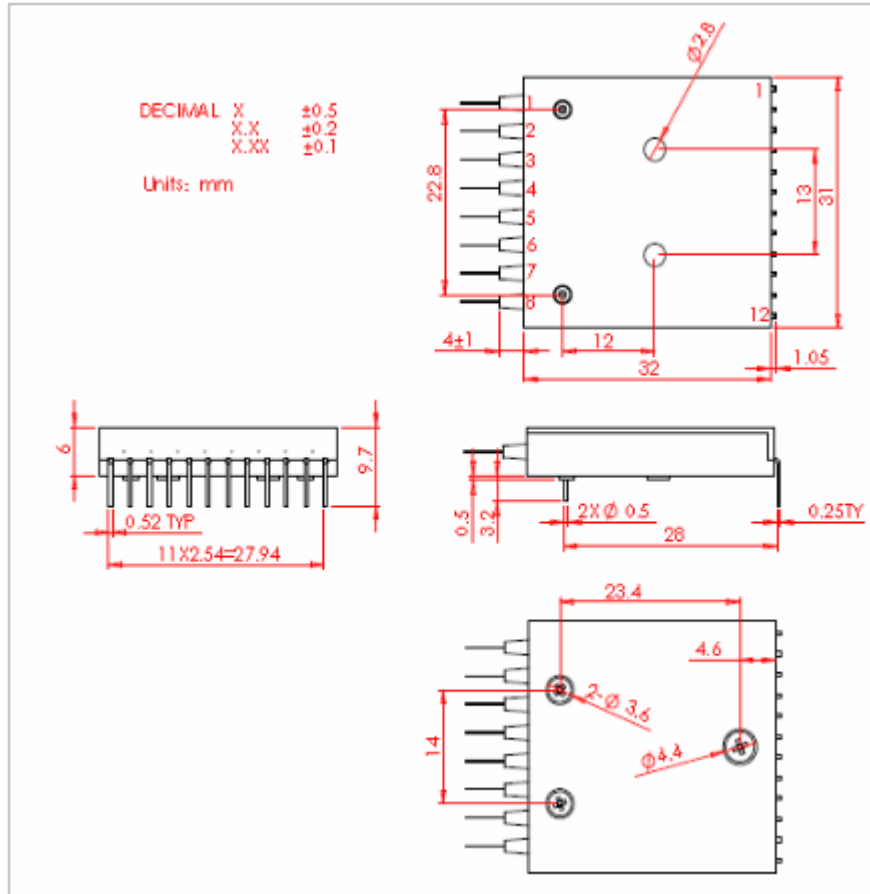
Specifications:

Parameter	Unit	Specifications	
Central Wavelength (λ_c)	nm	1310	1550
Operating Wavelength Range (λ_{op})	nm	$\lambda_c \pm 50$	
Min. Responsivity	A/W	0.75	0.8
Dark Current (70°C, -5V bias)	0.5 G bandwidth	8	
	2.0 G bandwidth	2	
Responsivity Temperature Dependence (λ_c)	dB	0.3	
Responsivity Polarization Dependence	dB	0.1	
Min. Return Loss	dB	40	
Input Optical Power (CW)	mW	10	
Reverse Voltage	V	20	
Forward Current	mA	10	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	
Dimension	mm	15 x 18 x 50	
Fiber Type		SMF-28 fiber, length 1.0 m	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.

Electrical Pin Assignment

Pin #	Common Cathode Assignment	Common Anode Assignment
Pin 1	Common Cathode for Ch.1 & 2	Common Anode for Ch.1 & 2
Pin 2	Anode Ch.1	Cathode Ch. 1
Pin 3	Anode Ch. 2	Cathode Ch. 2
Pin 4	Common Cathode for Ch.3 & 4	Common Anode for Ch.3 & 4
Pin 5	Anode Ch.3	Cathode Ch. 3
Pin 6	Anode Ch. 4	Cathode Ch. 4
Pin 7	Anode Ch. 5	Cathode Ch. 5
Pin 8	Common Cathode for Ch.5 & 6	Common Anode for Ch.5 & 6
Pin 9	Anode Ch. 6	Cathode Ch. 6
Pin 10	Anode Ch. 7	Cathode Ch. 7
Pin 11	Common Cathode for Ch.7 & 8	Common Anode for Ch.7 & 8
Pin 12	Anode Ch. 8	Cathode Ch. 8


Ordering Information:
FPTF-AA-BB-CC-D-E-F-G

A: channel number	BB: wavelength	CC: bandwidth	D: package type	E: fiber length	F: fiber jacket	G: connector type
08 - 8 channel	55 - 1550	05 – 0.5 G	1 – common cathode	1 – 1.0 m	B - 250µm bare fiber	1 - FC/UPC
	31 - 1310	20 – 2.0 G	2 – common anode		L - 900 µm loss tube	2 - FC/APC
					X - other	3 - SC/UPC
						4 - SC/APC
						N - none
						X - other