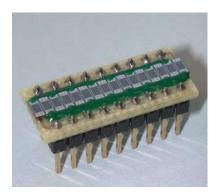


PDB-C216





FEATURES

- Stackable
- Blue enhanced
- Low Cost

DESCRIPTION

The **PDB-C216** is a blue enhanced linear array 16 elements silicon photodiode designed to be stackable and packaged in a PCB with a terminal strip package.

APPLICATIONS

- Card reader
- Baggage scanners
- Characters recognition

> Absolute Maximum Ratings

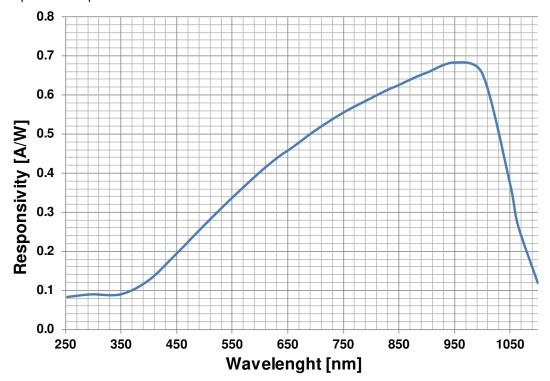
Part No.	Wavelength Range [nm]	Reverse Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
PDB-C216	350 to 1100	50	-20 to +75	-40 to +100	Terminal Strip

> Electrical and Optical Characteristics

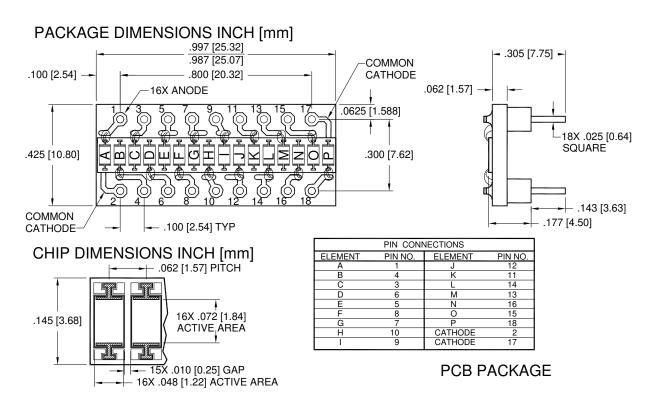
Typical Characteristics (T=23°C unless specified)									
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit			
Short Circuit Current	H = 100 fc, 2850 K	I _{sc}	18	28	-	μΑ			
Dark Current	V _R = 5V	I _D	-	5	50	nA			
Shunt Resistance	V _R = 10 mV	R _{sh}	100	200	-	ΜΩ			
Junction Capacitance	V _R = 10 V, f= 1 MHz	CJ	-	40	60	pF			
Breakdown Voltage	I = 10μA	V_{BD}	15	30	-	V			
Noise Equivalent Power	V _R = 0V @ λ = peak	NEP	-	2X10 ⁻¹⁴	-	W/√ Hz			
Response Time**	RL = 50Ω , $V_R = 0V$	t _R	-	190	-	nS			
nesponse fille	RL = 50Ω , $V_R = 10V$		-	13	-				

^{**}Response time of 10% to 90% is specified at 660nm wavelength light.

> Spectral Response



> Package Dimensions



> Soldering Conditions: 260°C 1/16 inch away from case for 3 seconds max.

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MATERIALS SAFETY

This product is free of conflict minerals and meets REACH compliance. Please see website for reports.