



PDSI UV Series

Silicon PIN Diodes

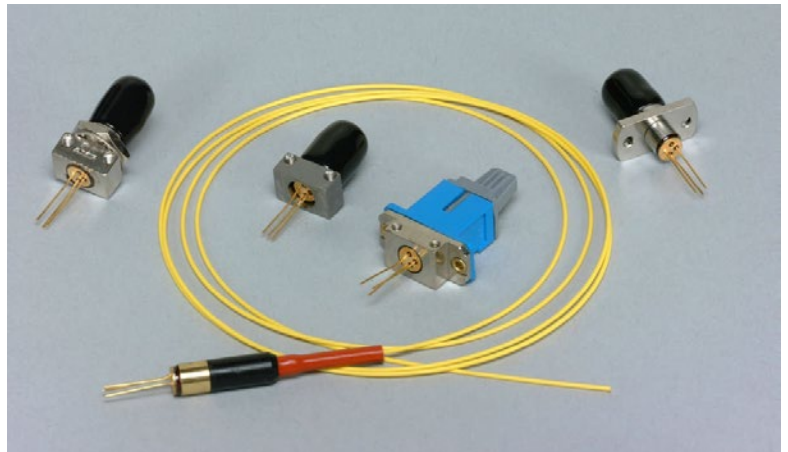
PD-LD offers Silicon Photodiodes that are enhanced for operation in the UV region. These PIN photodiodes exhibit responsivity between 200nm and 1100nm . Our standard 2.4mm X 2.4mm square active area devices are available in TO-5 cans that are hermetically sealed and include a UV transmissive quartz window.

Pigtailing

Devices can be pigtailed with any size optical fiber that is compatible with its active area size. Pigtails may range in core size from 3um to 100micron. One meter is the standard length, but any length or connector termination may be specified. Pigtails may be terminated with ST, FC, SC and LC connectors with either PC or APC polish.

Receptacles

Standard ST, FC and SC housings are available in both panel and board mountable versions. These receptacles can be optimized for use with both single mode and multimode optical fibers.



Manufacturing

Efficient package designs and manufacturing processes allow PD-LD to rapidly support both small and large volume requirements. Complete 100% testing of all critical parametric device values ensure optimal performance and quality. Not all receptacle packaging styles are represented on this data sheet, so please contact PD-LD for specific needs.

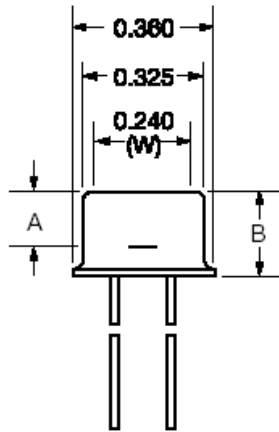
PD-LD Part Number	Active Area (mm)	Responsivity (A/W)			Capacitance pF	Shunt Resistance (G Ohm)		NEP (W/ root Hz)	Rise Time (u sec)
		254 nm	633nm	930nm		0V	-10mV		
170-10455-43	2.4 sq	0.10	0.33	0.50	100	0.30	4	2.0 e ⁻¹⁴	0.10

Absolute Maximums	
Operating Temperature	-20 to +85 °C
Storage Temperature	-55 to + 85 °C
Operating Current (0V)	0.1 mA
Reverse Voltage	5V

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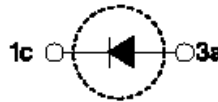
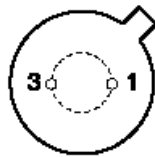
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Pinout & Mechanical Dimensions (inches)

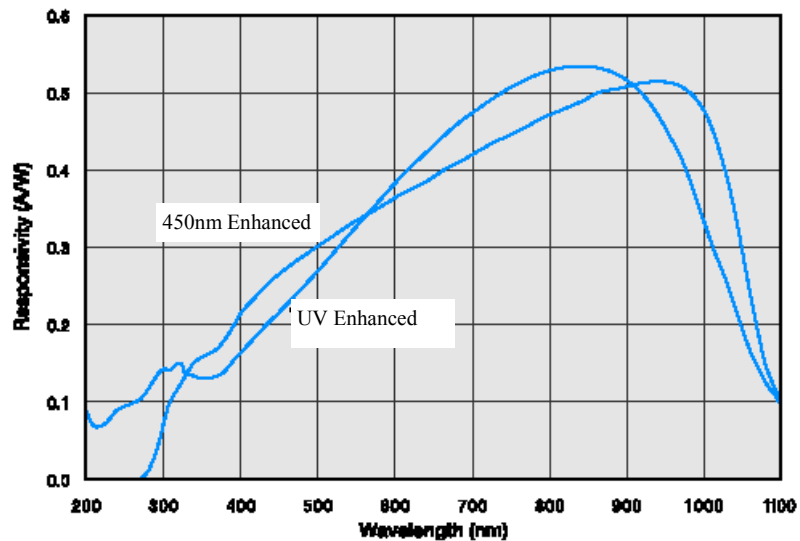


P/N	A	B
170-10455-43	0.102 inches	0.180 inches

Lead diameters are 0.018 ± 0.002 inches
Lead length is 0.500 inch minimum



Pin Circle Dia.=0.200



Changes to specifications may be made without notice.

10-1 PE13WSeries