



PDDM981 Single Element PIN Detector

Nanovation's PDDM981 Single Element PIN Detector features a wide response wavelength, high reliability and a compact package. This transmitter is targeted toward telecom access and repeater applications.

Features

- High responsivity InGaAs PIN detector
- Low capacitance
- Response wavelength from 1100 to 1650nm
- 14 pin package with single (multi) mode FC connector



Applications

- Telecom access and repeater applications

Specifications (T=25°C)

PDDM981	Min	Typ	Max
Responsivity (A/W, 1310nm, -5V)	0.80		
Capacitance (pf, -5V)			1
Dark current (nA, -5V)			5
Response wavelength (nm)	1100		1650
Rise time (ns)			0.5
Voltage (V)		-5	
Operating temperature (°C)	-20		+70
Storage temperature (°C)	-40		+85

Absolute Maximum Ratings

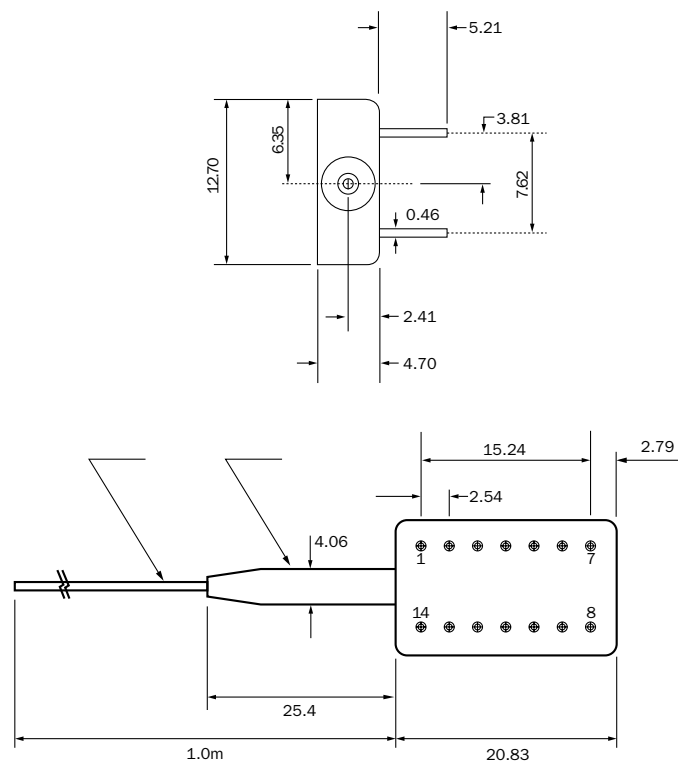
Fiber coupled power (mW)	5
Reverse detector bias voltage (V)	-15
Forward current (mA)	2
Lead soldering temperature (°C)	260
Lead soldering duration (s)	10
Fiber yield strength (kgf)	1
Fiber bend radius (mm)	30



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Mechanical Packaging Diagram (mm)

(All dimensions are in mm; drawings are not to scale.)



Pin Information

Pin	Description	Pin	Description
1	NC	8	NC
2	Anode (+)	9	NC
3	NC	10	NC
4	NC	11	NC
5	NC	12	NC
6	NC	13	Cathode (-)
7	NC	14	NC

*Other Pins: NC



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To order or for additional information, please contact us at:

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