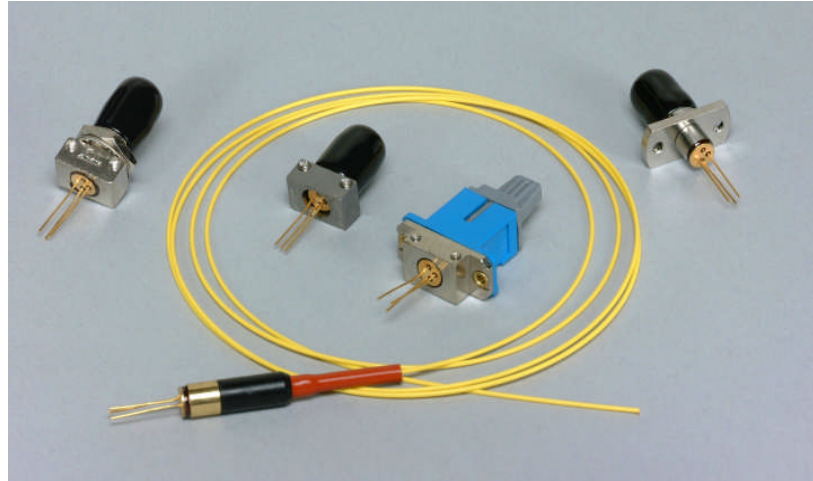


## Detectors for Fiber Optics: Germanium Avalanche Photodiode

PD-LD Inc. offers a variety of standard and custom PIN Photodiodes and APDs in fiber coupled packages, of proven manufacture and design. Our Germanium devices are suitable from 800 to 2100nm. All devices are available in fiber pigtailed co-axial packages or in connector-style receptacle packages.



### Features

- Germanium APD
- Suitable for 800 to 2100nm wavelengths

### Manufacturing

PD-LD Inc. maintains a large inventory of the most popular detector sizes and pin-outs. 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.

Performance Specifications: Examples, Other Options Available

PD-LD Part Number	Active Area (µm)	Responsivity (A/W)		Capacitance		Dark Current		Bandwidth -3dB (GHz)	Pin-Out
		Min.	Typ.	Typ.	Max	Typ.	Max		
PDGAJ1001FCA-0-0-01	100	0.6	0.7	1.5	2.0	100	150	1.5	G

### Packaging Options

#### 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 3µm to 100µm. 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 multi-mode optical fibers.

G Pinout Information Needed Here!

PD-LD aligns then secures each TO-Packaged photodiode within a universal alignment sleeve. This assembly may then be incorporated into a connector receptacle assembly (FC, SC, ST, etc) or into a fiber pigtailed assembly. Some examples of housings are listed here, but other packages are available upon request, including board mountable SC and FC styles. The standard pin-out rotation is to have the TO can tab at 1:00 when the assembly is viewed from the rear and the key slot is up (12:00).

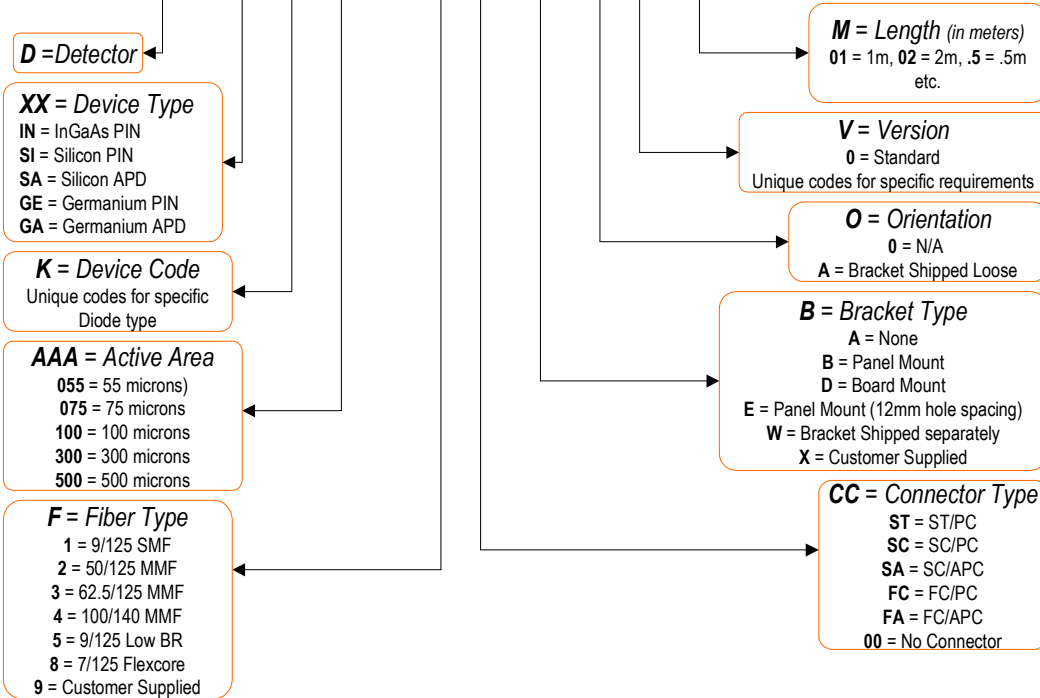


# Detectors for Fiber Optics: Germanium Avalanche Photodiode

## Ordering Information

### Data Legend: Pigtailed Photodiodes & APDs

PD XX K AAA F CC B-O-V-M



### Data Legend: Receptacle Photodiodes & APDs

PD XX K AAA RRR F-O-V

