

# DGM-32xr

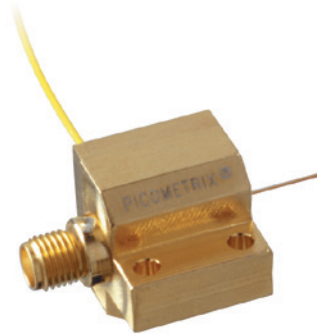


Product Bulletin • February 2014

- PIN detector module
- High bandwidth, 28 GHz
- 0.77 A/W responsivity @ 1310 nm
- 800–1650 nm wavelength range

The **DGM-32xr** product is an unamplified PIN detector designed for applications requiring high data rates, including 32G fibre channel. The DGM-32xr is optimized for the 800-1650 nm spectral range and utilizes 62.5  $\mu\text{m}$  multimode fiber input.

The custom module is offered in a compact single-pin package with precision aligned multimode fiber input and Anritsu-K output connector. Output coupling is DC and output termination is fixed at 72.5  $\Omega$  for superior low reflection (VSWR) performance.



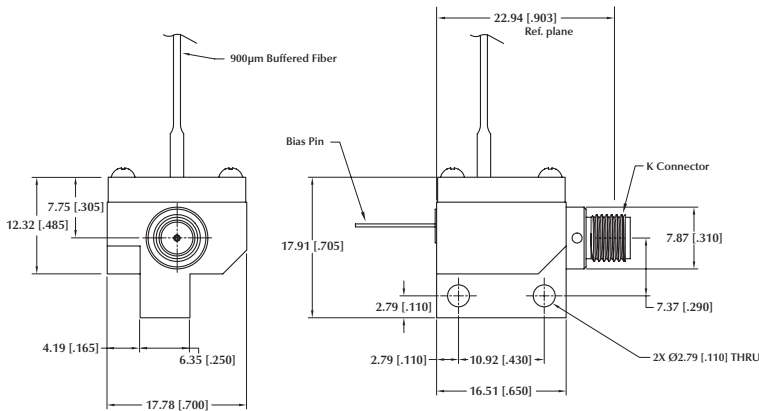
## Specifications

	Typical	Units
Wavelength range	800-1600	nm
Bandwidth	28	GHz
Low frequency cutoff	DC	kHz
Responsivity @ 1550 nm	0.70	A/W
Responsivity @ 1310 nm	0.77	A/W
Responsivity @ 850 nm	0.48	A/W
Maximum power @ 1310 nm, avg.	+8	mW
Optical return loss @ 1310 nm, max.	-24	dB
Optical return loss @ 850 nm, max.	-13	dB
Output termination	72.5	$\Omega$
Output connector	K (female)	

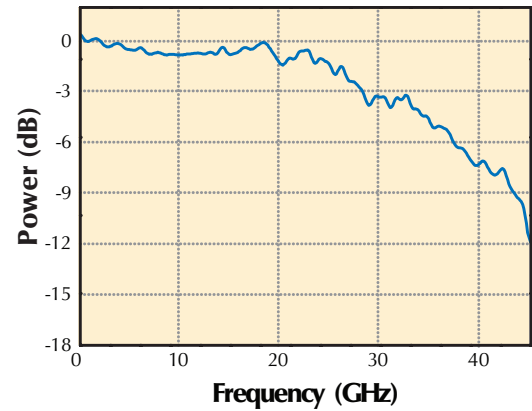
## Mechanical

Package type		T&M module
Operating temperature	10 to 55	$^{\circ}\text{C}$

# Product Specifications



Dimensions are in millimeters [inches]



## Pin-out

### Pin Description

1  $V_{PD}$

## DGM-32xr Ordering Information

Base model	DGM-32xr
Option format	-Fiber connector
Fiber connector option	FC

## Application Notes

Electrostatic discharge (ESD) will cause permanent damage to the product. Please avoid any ESD to the output connector. Use standard ESD protective equipment when handling this product.

## Quality Vision

As a leader in ultrafast optical receivers, Picometrix is committed to providing the highest quality ultrafast products on the market. This quality vision commits us to continually improving our product designs and manufacturing processes, in order to ensure the highest level of customer satisfaction. The company maintains a stringent quality control program to ensure that all products meet or surpass customer requirements.



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