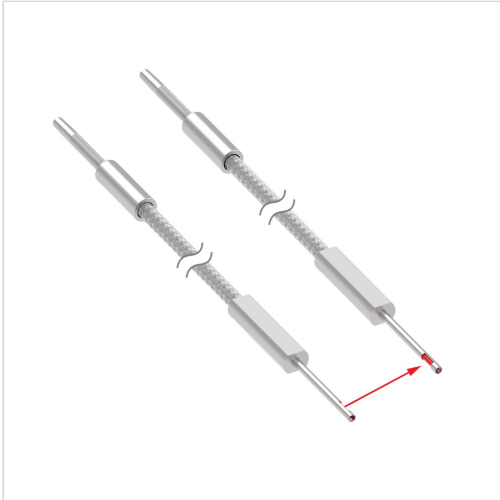


# PIPS49TMB5MFF

## ▶ ANGLE FIBER OPTICS



Plastic Fiber, Opposed Mode

Core Dia.: 1 mm; Fiber Length 2.7 m

Probe, Sideview

SteelSkin, TMB5 Termination

Part Number: 81873



## COMPATIBLE AMPLIFIERS

Where applicable, maximum range for opposed mode fibers is also dependent on fiber length.



### DF-G1 Series General Purpose Fiber Optic Amplifier

Fiber amplifier with IO-Link capability ideal for general purpose and error proofing. Has simple set-up and configuration. Output: NPN or PNP.



### DF-G2 Series High Speed Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for high speed (10  $\mu$ s) for applications like part counting or registration mark detection. Output: NPN or PNP.



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### DF-G3 Series Long Range Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for detection up to 6 m, precise positioning, and water detection. Output: analog, discrete, dual discrete.



## SPECIFICATIONS

<b>Housing Style</b>	Rectangular
<b>Quantity Included</b>	2
<b>Fiber Optic Type</b>	Plastic
<b>Sensing Mode (General)</b>	Opposed
<b>Sensing Mode (Detailed)</b>	Reflective
<b>Beam Exit</b>	Right Angle
<b>Sensing End Material (Specific)</b>	Stainless Steel
<b>Fiber Sheathing Material (Jacket)</b>	STEELSKIN
<b>Fiber Sensing End Tip</b>	Sideview
<b>Fiber Length (m)</b>	2.744
<b>Fiber Sensing End Size</b>	1.5 mm
<b>Sensing End Segment 1</b>	Ferrule
<b>Sensing End Segment 2</b>	Probe
<b>Sensing End Segment 3</b>	Sideview
<b>Retractable</b>	No
<b>Flex Relief</b>	No
<b>Core Diameter (mm)</b>	1
<b>Minimum Bend Radius (mm)</b>	12
<b>Termination</b>	Terminated
<b>Max Temp ( °C)</b>	70
<b>Minimum Repeat Bending Endurance</b>	1000


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<b>Integrated Lens</b>	No
<b>Feature: Chemical Resistant</b>	No
<b>Feature: Extended Range</b>	No
<b>Feature: Small Object Detection</b>	No
<b>Application: Liquid Level</b>	No
<b>Application: Vacuum Feed Through</b>	None
<b>Termination Type</b>	Plastic Fiber Sensors
<b>Tariff Fiber Meters (fbm)</b>	5.486
<b>Fiber Sensing End Size - Mounting Area</b>	5.0 mm
<b>Measured Max Distance (mm)</b>	No Data
<b>Max Distance: DF-G3 (mm)</b>	No Data
<b>Max Distance: DF-G2 (mm)</b>	No Data
<b>Max Distance: DF-G1 (mm)</b>	No Data

## COMPATIBLE PRODUCTS

	<p><b>PFK-B</b></p> <p>Plastic Fiber Kit          Contains qty. 2 p/n 13443 Sensor Adaptors 40 mil and          qty. 2 p/n 116232 Sensor Adaptors 20 mil</p>
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