

SHAPING LIGHT.

**HELPING ENGINEERS AND SCIENTISTS IN
ADVANCING HOW THE WORLD COMMUNICATES,
SENSES AND CONNECTS**



POLARIZATION MAINTAINING PATCH-CORDS DATA SHEET



PM PASSIVES

POLARIZATION MAINTAINING PATCH-CORDS

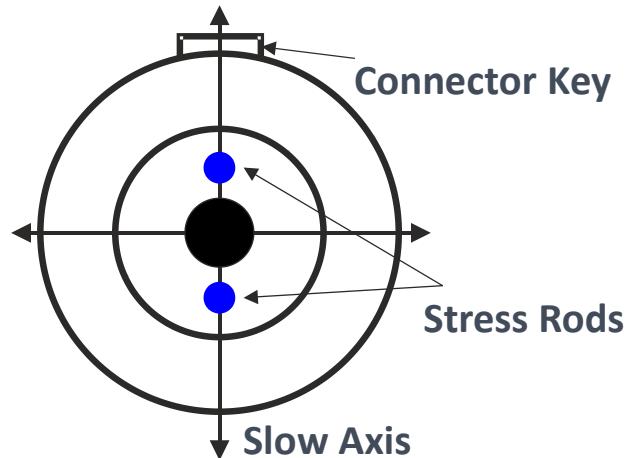
Designed to preserve light polarization, whether launched on the fast or slow axis of the fiber, our polarization-maintaining patch cords ensure dependable device interconnections in lab environment.

This consistency is crucial in applications where maintaining the polarization of light ensures optimal performance.

We offer a wide range of patch cords to match your specific needs.

APPLICATIONS

- Device interconnect
- Polarization management
- Connection of Laser Ports
- Coherent Communication Systems
- Fiber Optic Gyroscopes
- Quantum Cryptography
- Interferometric Sensors



SPECIFICATION

PARAMETER	SPECIFICATION		UNIT
Connector Type	UPC	APC	
Typical Insertion loss	0.3	0.4	dB
Maximum Insertion loss	0.5	0.5	dB
Return Loss	≥ 50	≥ 60	dB
Extinction Ratio	≥ 23	≥ 23	dB
Maximum Optical Power	300		mW
Axis Alignment	$\pm 3^\circ$		Deg
Key Orientation	Slow Axis		
Fiber Type	PM Panda Fiber		
Max. Tensile Load	5		N
Fiber Length tolerance	± 10		%

CONFIGURE YOUR PM PATCH-CORD



PRODUCT

PMP-		-		-		-	
	CONNECTOR 1	CONNECTOR 2		FIBER JACKET		FIBER LENGTH	
FA: FC/APC	FA: FC/APC	02: 900 um	05: 0.5 m				
FP: FC/UPC	FP: FC/UPC	03: 3 mm	10: 1.0 m				
SP: SC/UPC	SP: SC/UPC		15: 1.5 m				
			20: 2.0 m				
			30: 3.0 m				



REQUEST A QUOTATION

Get in touch with us via
info@id-photonics.com or send a
request via our [web form](#).



SHAPING LIGHT.

**HELPING ENGINEERS AND SCIENTISTS IN
ADVANCING HOW THE WORLD COMMUNICATES,
SENSES AND CONNECTS**

Copyright © 2025 ID Photonics GmbH. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, be it electronically, mechanically, or by any other means such as photocopying, recording or otherwise, without the prior written permission of ID Photonics GmbH.

Information provided by ID Photonics GmbH is believed to be accurate and reliable. However, no responsibility is assumed by ID Photonics GmbH for its use nor for any infringements of patents or other rights of third parties that may result from its use. No license is granted by implication or otherwise under any patent rights of ID Photonics GmbH.

The information contained in this publication is subject to change without notice.



ID PHOTONICS GMBH

Anton-Bruckner-Straße 6
85579 Neubiberg
GERMANY

Tel: +49-89-201 899 16
info@id-photonics.com