

Miniature Fiber Optic Depolarizers

Product Overview

The miniature, small footprint, depolarizer is designed to depolarize sources with greater than 6MHz linewidth (10m coherence length in fiber). The device is unidirectional for fiber systems using PM fiber and linear state of polarization aligned along the fiber axis.

Depolarizer Options

The small footprint depolarizer is part of the Phoenix polarization sensitive range of passive depolarizers designed for operation with a variety of sources.

SPECIFICATIONS:

Bandwidth	1530nm – 1570nm
Degree of Polarization ¹	<5%
Insertion loss	<1.5dB (1dB Typ.)
Return loss	>55dB
Source linewidth	>6MHz
Operating temperature range	-5°C to 70°C
Transportation/storage	-40°C to 85°C
Input Fiber type	PM PANDA
Output Fiber type	SMF28
Pigtails	0.8m fiber standard,
	900um jacket optional
Connectors	Specify connector type
Dimensions	85x60x10mm



Features & Applications

FEATURES:

- Low DOP
- Low insertion loss
- Low back reflection
- Passive operation
- Rugged packaging

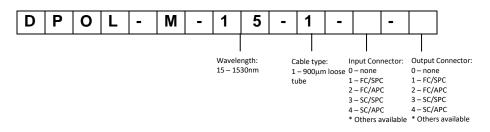
APPLICATIONS:

- Optical source polarization randomization
- DFB lasers
- ASE, SLD and ELED sources
- Polarization measurement systems
- Optical fiber sensor systems
- Bragg grating applications

Notes to Specifications:

All specifications are worst case for the wavelength range selected; actual products commonly exhibit better specification. All depolarizers are individually tested.

1. The DOP for the depolarizer is dependent upon the source spectrum, please confirm selection with our sales representative.



For more information please contact Phoenix sales: sales@phoenixphotonics.com or visit us at www.phoenixphotonics.com

