0.58 NA Patchcord 1000 Micron Fiber w/ SMA Connector

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SPECIFICATIONS

General

Type:

Patchcord

Physical & Mechanical Properties

Length (m):

1

Optical Properties

Numerical Aperture NA:
0.58

Wavelength Range (nm):
350 - 850

Hardware & Interface Connectivity

Connector:
SMA 905

Environmental & Durability Factors

Operating Temperature (°C):
-40 - +105

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- Wavelengths from 275 - 940nm, with Broadband and White LED Options
- High Output Powers up to 250mW
- Integrated Driver and Controller for Ease of Use

Digital Fiber Coupled LEDs provide high radiant power with a spectrally stable output in a compact, easy to use form factor. Featuring an integrated driver and controller, a range of LED parameters can be controlled including output power, delays, triggers, pulse duration, as well as pulse width modulation (PWM) frequency and duty cycle utilizing the intuitive software interface. Designed with passive thermal management, these LEDs offer a long operating lifetime without the need for noisy fans that consume additional energy, and without the need for lamp replacement. Digital Fiber Coupled LEDs are ideal for use in life science and medical applications such as spectroscopy, optogenetics, fluorescence excitation, photodynamic therapy (PDT), and UV-based chemical and biological analysis. A user-friendly GUI is available for download that allows for computer control and integration into a range of programming languages including LabVIEW, MATLAB, and Python through serial communication.

Note: For maximum power output, it is recommended to use fiber patch cords with larger core diameters and high numerical apertures (NA) to optimize input coupling.