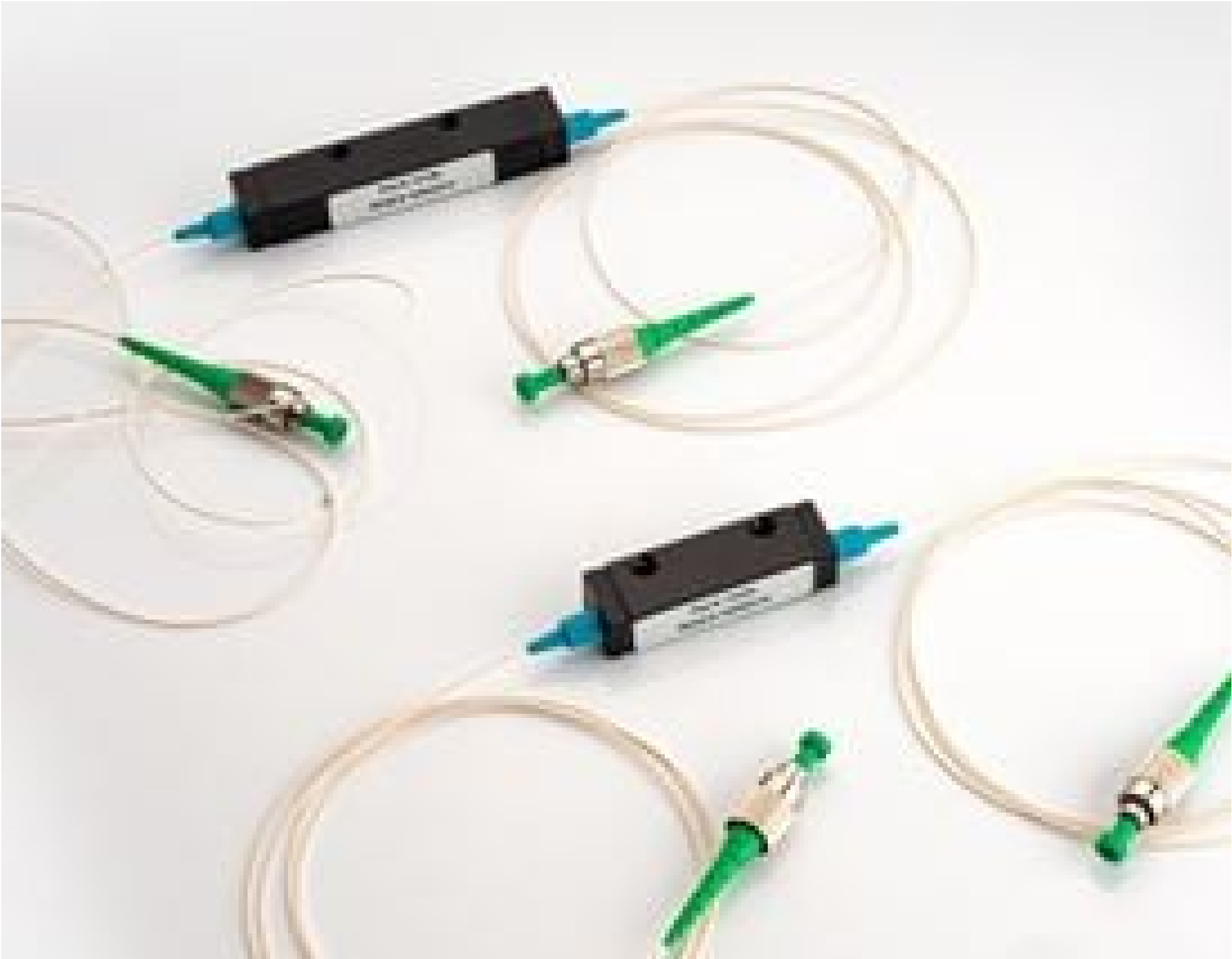


## Acetylene Fiber-Coupled Gas Cell, 5.5 cm Path Length, SC/PC



Stock #72-211 1 In Stock

-

1

+

₹55,350

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| Volume Pricing |                               |
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|-------|-----------------------|
| 5.5   | Path Length (cm):     |
| SC/PC | Fiber Connector Type: |

| General                                                   |               |
|-----------------------------------------------------------|---------------|
| Acetylene ( <sup>12</sup> C <sub>2</sub> H <sub>2</sub> ) | Type:         |
| C2H2-12-H(5.5)-50-SCPC                                    | Model Number: |

Optical Properties

Wavelength Range (nm):

|                                     |                             |
|-------------------------------------|-----------------------------|
| 1510 - 1540                         |                             |
|                                     | Transmission (%):           |
| >50                                 |                             |
| Environmental & Durability Factors  |                             |
|                                     | Operating Temperature (°C): |
| +5 to +70                           |                             |
| Regulatory Compliance               |                             |
|                                     | Certificate of Conformance: |
| <a href="#">View</a>                |                             |
|                                     | Country of Origin:          |
| United States                       |                             |
|                                     | Imported By:                |
| Edmund Optics India Private Limited |                             |

## Product Details

- Hydrogen Cyanide and Acetylene Gasses Available for Wavelength Coverage of 1510 to 1565nm
- FC and SC Fiber Connection Options with a Variety of Path Lengths Available
- NIST Traceable Reference Cells

Wavelength References Fiber-Coupled Gas Cells are FC/APC, SC/APC, FC/PC, or SC/PC connected fiber coupled, gas filled precision filters whose absorption wavelengths depend on specific molecular energy level transitions that may be used as wavelength standards. Hermetically sealed to maintain >10 year lifetime, these gas cells feature metal housings, wedged windows, and coated optics for minimum interference artifacts and can be easily integrated into existing benchtop systems. Wavelength References Fiber-Coupled Reference Cells are available with a variety of path lengths and pressures which meet the requirements of NIST Standard Reference Material® (SRMs) 2517a, 2519, or 2519a. Short path lengths are recommended for measuring gasses at high concentration while longer path lengths enable more sensitive measurements. These reference cells are ideal for spectroscopy, wavelength/frequency locking, laser calibration, and optical gas sensing systems. Hydrogen Cyanide (H<sup>13</sup>C<sup>14</sup>N) has been identified by national standards bodies as the primary wavelength reference in the C-band (1530 – 1565nm) while Acetylene (<sup>12</sup>C<sub>2</sub>H<sub>2</sub>) is recognized as a primary wavelength reference in the 1510 to 1540nm band.