AC Photonics

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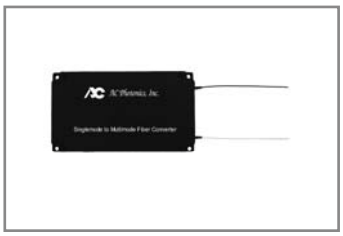
# Singlemode to Multimode Fiber Converter



## Key Features

- Low Insertion Loss
- Fully Filled Mode Distribution
- High Environmental Stability

## Applications

- Test and Measurement
- Instrumentation

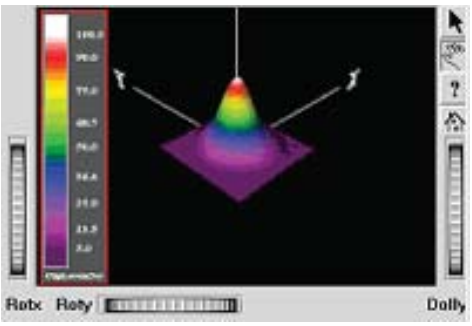
## Applications Notes

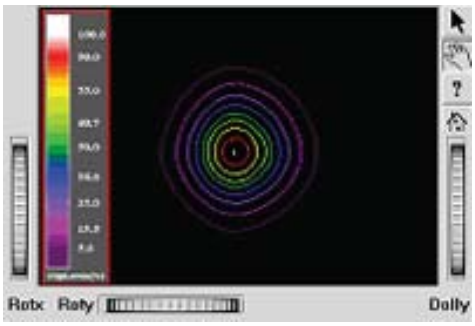
ACP's singlemode to muiltimode converter is a device that converts the output from a singlemode light source into multimode with very low insertion loss. It is used for testing of multimode device, such as WDMs, Hybrids, Isolators and Couplers, when only singlemode light source are available.

## Performance Specifications

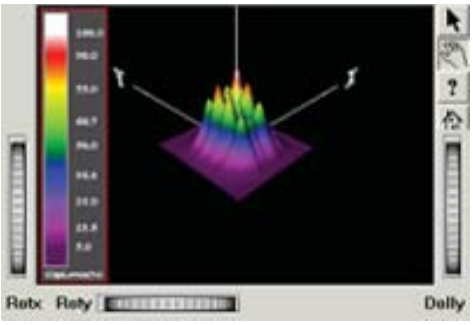
| Parameter | Specifications |
|---|---|
| Operating Wavelength | 850nm or 1310nm or 1550nm ± 50nm, or Cuetom Wavelength |
| Insertion Loss (Port 1 to 2) | ≤ 0.8dB |
| Coupling Power Ratio | ≥ 18dB |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | -40 to +85°C |
| Input Fiber Type | See Ordering Information |
| Output Fiber Type | See Ordering Information |
| Connector | See Ordering Information |
| Fiber Length | See Ordering Information |
| Dimensions | L88.9mm x W50.88mm x H8.0mm |

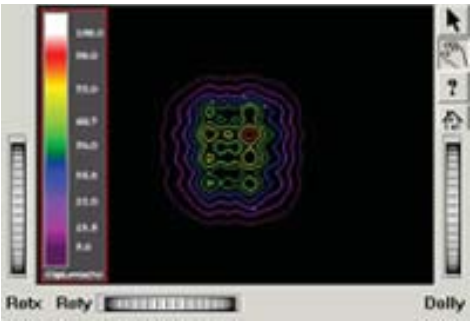
## Input Mode




## Output Mode




## Ordering Information

| SMC | ☐ ☐ | ☐ | ☐ | ☐ | ☐ | ☐ ☐ |
|---|---|---|---|---|---|---|
| | **Wavelength** | **Input Fiber Type** | **Output Fiber Type** | **Pigtail Style** | **Fiber Length** | **In/Out Connector** |
| | 85 = 850nm<br>13 = 1310nm<br>15 = 1550nm | 1 = SMF 28<br>2 = HI 1060<br>3 = CS 980 | 1 = 50/125um<br>2 = 62.5/125um<br>3 = 100/140um | 1 = Bare Fiber<br>2 = 900um Jacket<br>3 = 2mm Cable | 1 = 1.0m<br>2 = 2.0m | 0 = None<br>1 = FC/APC<br>2 = FC/PC<br>3 = SC/APC<br>4 = SC/PC<br>5 = ST<br>6 = LC/UPC<br>7 = LC/APC |

Product specifications and descriptions in this document subject to change without notice.
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