

Ascentta

Photonic Solutions

Ascentta designs, manufactures, and distributes standard and customized photonic components such as isolators, circulators, couplers, WDMs, FBGs, and many more, in a wide range of configurations and wavelengths.

Our flexible approach to design and production have led us to having very diverse end users in universities, national labs, and the private sector. Their fields range from biomedical, energy, telecommunication, defense, aerospace, education, research, and beyond. They rely on our products to meet their needs.

We can supply components for wavelengths at the far ends of the spectrum, from as short as 405nm to as long as 1700nm.

Customization is our specialty. We work with our clients to design personalized solutions for their unique applications. We know that our customers' success is our own, so we strive for reliability, superior quality, and excellent customer service.

More information can be found on our website at Ascentta.com, or by emailing us at sales@ascentta.com.

We look forward to helping you complete your next project!

Ascentta is ISO 9001:2015 certified

Standard & Custom Designs

Isolators
Circulators
Couplers
CWDMs / DWDMs
Filters
Jumper Cables
Fiber Pigtailed
Attenuators
Faraday Mirrors
FBGs
Fiber Arrays
Collimators
Beam Splitters
Photodiodes

Wide spectrum (400nm-1700nm)



405 nm
450 nm
532 nm
635 nm
780 nm
850 nm
980 nm
1060 nm
1310 nm
1550 nm
1650 nm
Custom



Ascentta

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Featured Products

Mechanically Tunable Coupler



1x2, 0-99% ratio (tunable)
Compact and high power
Customization available
Available for 532, 635, 780, 850, 1064, 1270, 1310, 1450, 1550, 1650nm, & other wavelengths

4-channel Circulator

Mix & match wavelengths
Compact and reliable
Single-mode, Multimode, & Polarization Maintaining
Available for 532, 635, 780, 850nm, & other wavelengths



Optical Platform



Modular optical system
Versatile and flexible
Customization available
Excellent for prototyping and training

Ultra Broadband Circulator

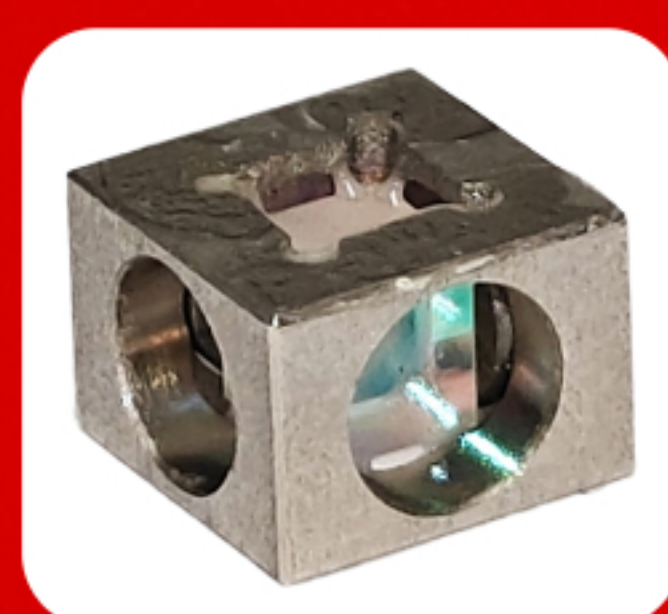
(1290 - 1620nm)

3-port
Single-mode or Polarization Maintaining
Available with high isolation



Isolator

Free Space / Inline
Single-mode / Multimode
Polarization Dependent / Independent
High Power
Faraday Mirror
Isolator Core
Tap Isolator Hybrid
WDM Isolator Hybrid
Tap WDM Isolator Hybrid



Polarization Maintaining (PM) Components

Polarizers
Isolators
Circulators
Collimators

Patchcords / Jumper Cables
Filter Couplers
Fused Couplers
Beam Splitters / Combiners



Circulator

Free Space / Inline
Single-mode / Multimode
Polarization Dependent / Independent
3-port / 4-port / N-port



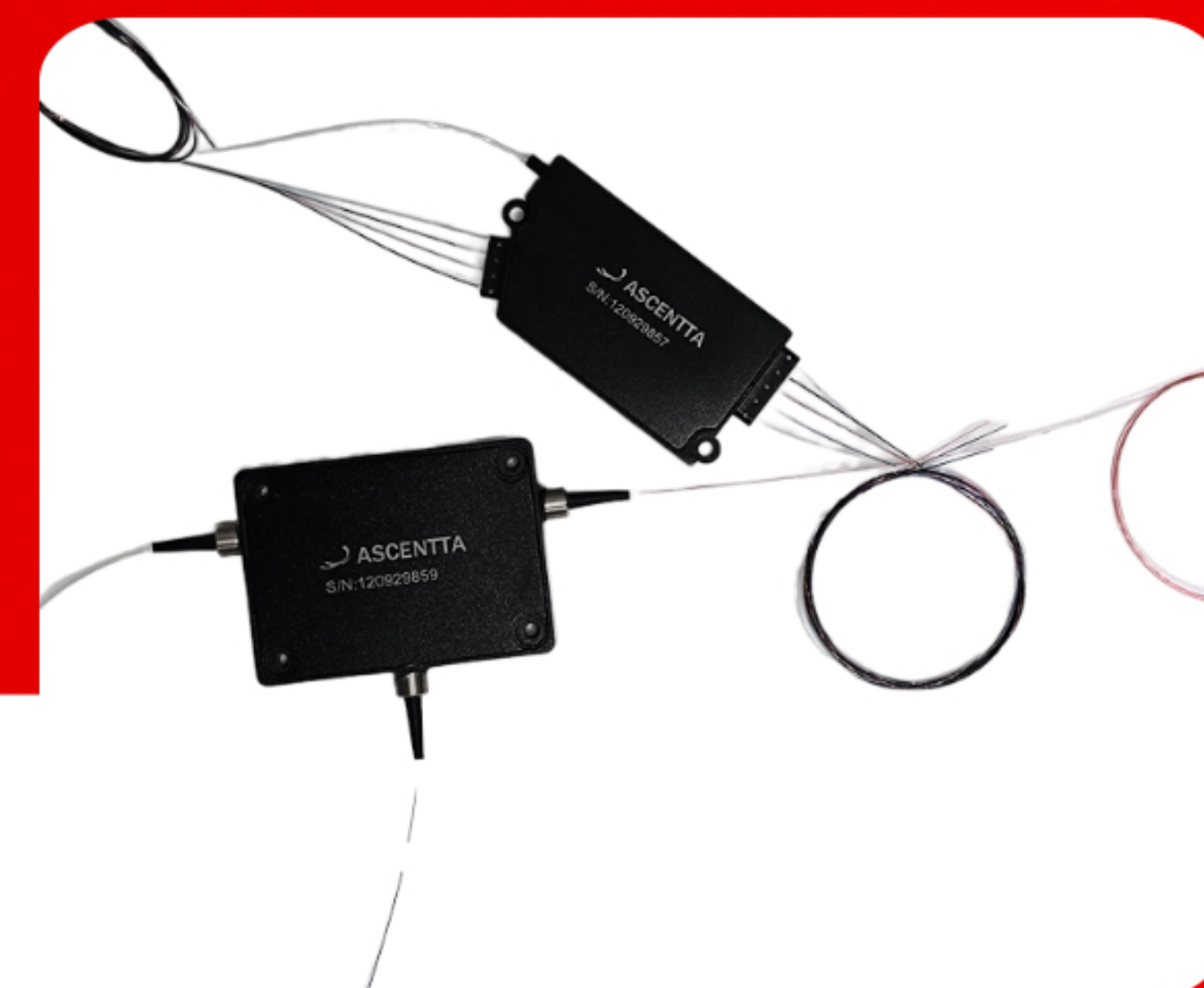
Coupler / Splitter

Single / Multimode
Fused / Filter
1x2 / 2x2 / 1x3 / 3x3 / 1x4 / 1xN
Tree / Star configurations
Mechanically Tunable Coupler
PM available



Wavelength Division Multiplexer

CWDM / DWDM
Filters & Modules
Bandpass Filters
FWDM
OADM



Attenuator

Fixed Inline Attenuator
Fixed Buildout Attenuator
Single-mode / Multimode

FBG Sensor

Fiber Bragg Grating (FBG)
Long Period FBG
Phase-shifted FBG
Chirped FBG
Tilted FBG
Array FBG



And More!

Fiber Pigtail
Collimator
Fiber Array

Patchcord / Jumper Cables
Waveguide Splitter (PLC)
Photodiode