

ANTI-RESONANT HOLLOW CORE FIBER ISOLATOR (1310, 1550nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Single Stage	Dual Stage
Wavelength		nm	1310 ± 20 or 1550 ± 20	
Isolation (All SOP, 23 °C)	Typ.	dB	23	35
	Min	dB	17	30
Insertion Loss (23°C)	Typ.	dB	0.5	0.75
	Max	dB	0.8	1
PDL	Max	dB	0.5	
PMD	Max	ps	0.05	
Return Loss ($\lambda=1550\text{nm}$, 23 °C)	Min	dB	40	
Input Optical Power	Typ.	W	1	
Storage Temperature		°C	-40 to 85	
Operating Temperature		°C	-5 to 70	

*SOP = State of Polarization

*Fiber is straight for PDL testing

*Fiber used: Anti-resonant with 16um core, 200um cladding, 405um coating.

Ordering Information

Contact Ascentta with your custom configuration needs.

HCIS	Stages	Wavelength	Fiber type	Fiber length	Package
HCIS	S = single stage	13 = 1310nm	(Customer Consigned)	10 = 1.0m	5.5x35 = $\Phi 5.5 \times L35\text{mm}$ X = Others
	D = dual stage	15 = 1550nm		15 = 1.5m	
		X = Others		20 = 2.0m X = Others	

Package Diagram

