

Product Information

POLARIZATION INSENSITIVE ISOLATOR (PII)



Features

- Low PDL
- Low Insertion Loss
- Excellent Uniformity
- High Directivity
- Highly Stable and Reliable

Applications

- Telecommunications
- Local Area Network (LAN)
- Passive Optical Network (PON)
- Cable TV
- Fiber sensors

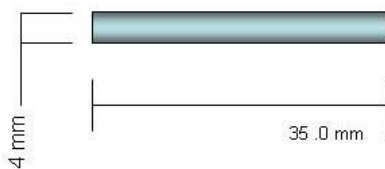
Product Performance Characteristics

Parameters	Single Stage		Dual stage	
	Premium	A Grade	Premium	A Grade
Central Wavelength nm	1310, 1430, 1480, 1550, 1580			
Bandwidth (nm)	± 15		± 20	
Min. Isolation in Band (dB) (at 23°C)	32	30	46	43
Min. Isolation in Band (dB) (0°C ~ 70°C)	22	21	34	32
Max. Insertion Loss (dB) in Band (0°C~70°C)	0.6	0.7	0.8	0.9
Min. Return Loss (dB)	60	55	60	55
Max. PDL (dB)	0.05	0.1	0.1	0.15
Max. PMD (ps)	0.25		0.05	
Power Handling	300mW			
Operation Temperature	0°C ~ 70°C			

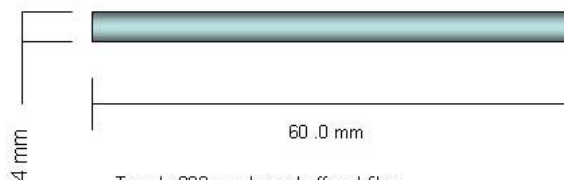
Special dimension upon request

Mechanical Outline

Package type	Housing type	Dimension	Pigtail style
Type B	Steel tube	5.45mm(Ø) x 35mm (L)	250µm bare fiber
Type L	Steel tube	5.45mm(Ø) x 60mm (L)	900µm loose buffered fiber



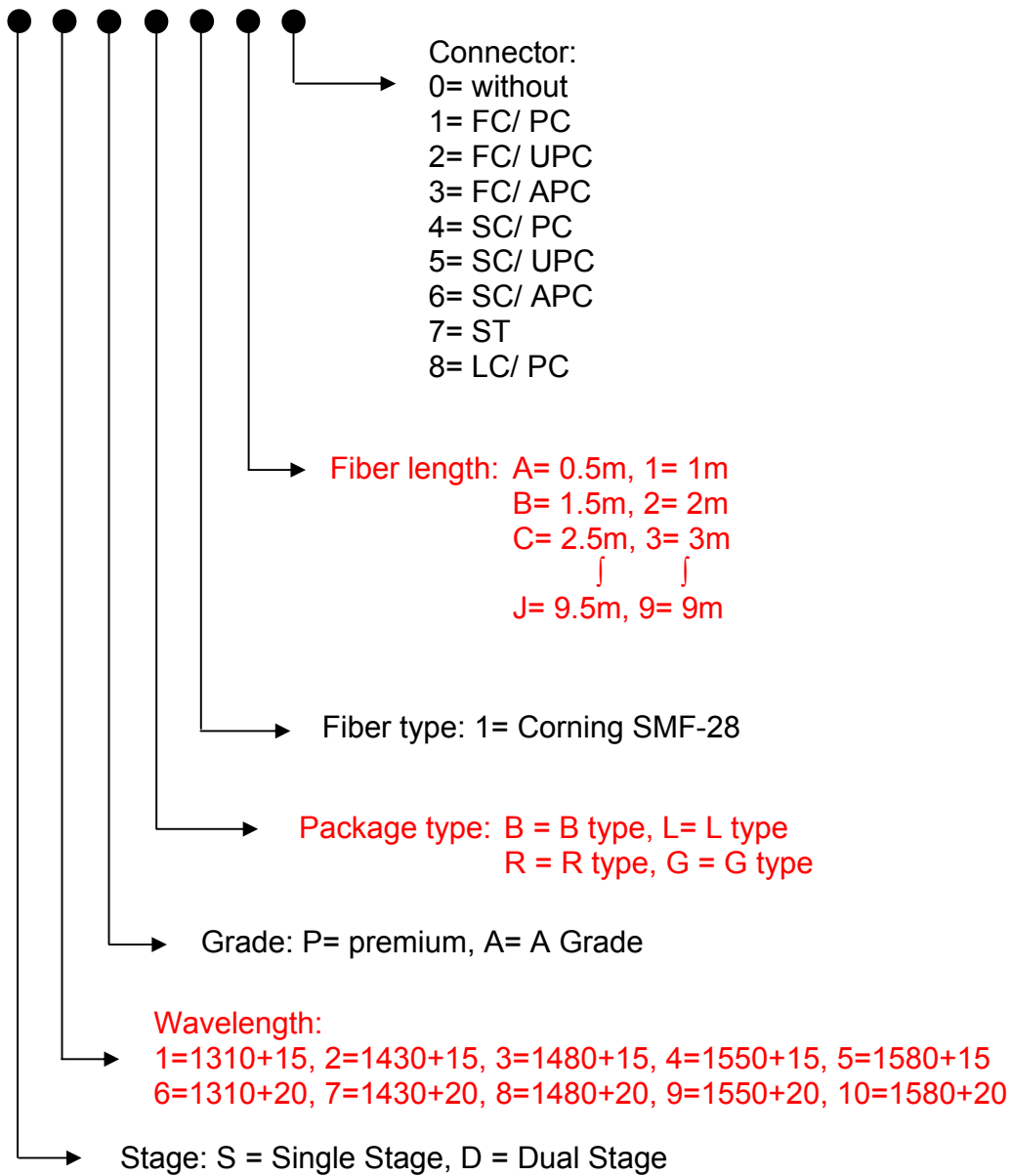
Type B: 250 µm, bare fiber
4 mm (diameter) x 35 mm (L)



Type L: 900 µm loose buffered fiber
4 mm (diameter) x 60 mm (L)

Ordering information

PII-X-X-X-X-X-X-X-UM



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