Specification

of
WDM / Isolator Hybrid (IWDM)
IWDM Series

Universal Microelectronics
Photonics Division

WDM / Isolator Hybrid (IWDM)

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 Characteristics

Performance

Parameters	980 / 1550nm + Isolator		1480 / 1550nm + Isolator	
	Single Stage	Single Stage	Single Stage	A Grade
Signal Wavelength Range (nm)	1530~1565	1530~1580	1530~1565	1530~1580
Pump Wavelength Range (nm)	950~1010		1450~1495	
Max. Insertion in Reflection (dB)	0.6			
Max. Insertion in Transmission (dB)	0.7	1.0	0.7	1.0
Min. Isolation in Band (dB) (@23℃)	30	43	30	43
Min. Return Loss (dB)	50			
Min. Directivity (dB)	55			
Max. PDL (dB)	0.1	0.15	0.1	0.15
Max. PMD(ps)	0.25	0.1	0.25	0.1
Power Handling(Max.)	300mW			
Operation Temperature	-5 ~ +65 ℃			
Storage Temperature	-40 ~ +85 ℃			

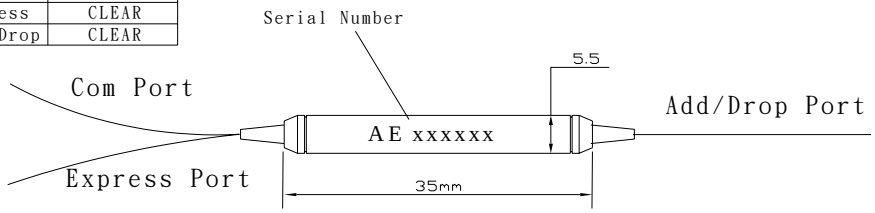
- Special dimension upon request
- All values specified are without connectors
- The Maximum insertion loss of connector will be 0.3 dB

Mechanical outline

Package type	Housing type	Dimension	Pigtail style
Type B	Steel tube	5.5mm(Φ)x35mm(L)	250 μ m Bare fiber
Type L	Steel tube	5.5mm(Φ)x40mm(L)	900 μ m Loose tube

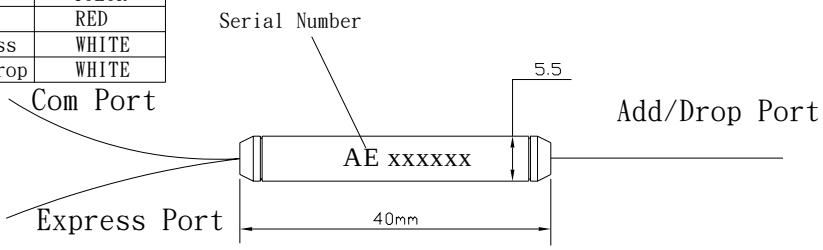
Type B ：

Color Code	
PORT	COLOR
Com	BLACK
Express	CLEAR
Add/Drop	CLEAR



Type L ：

Color Code	
PORT	COLOR
Com	RED
Express	WHITE
Add/Drop	WHITE



Ordering Information