



Specification

of

Tap / Isolator Hybrid (ITAP)
ITAP Series

Universal Microelectronics
Photonics Division



Tap / Isolator Hybrid (ITAP)

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	5% + Isolator		1% + Isolator	
	Single Stage	Dual Stage	Single Stage	Dual Stage
Wavelength Band (nm)	1530~1565	1530~1580	1530~1565	1530~1580
Max. Insertion in Signal Channel (dB)	0.8	1.1	0.6	0.9
Max. Insertion in Tap Channel (dB)	14		21	
Min. Isolation in Band (dB) (@23°C)	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 °C			
Storage Temperature	-40 ~ +85 °C			

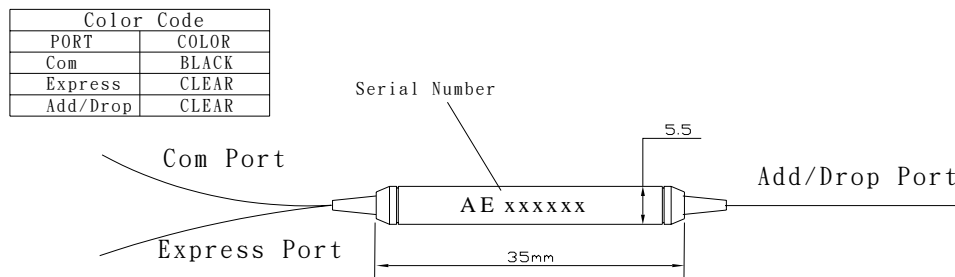
- Special dimension upon request
- All values specified are without connectors
- The Maximum insertion loss of connector will be 0.3 dB



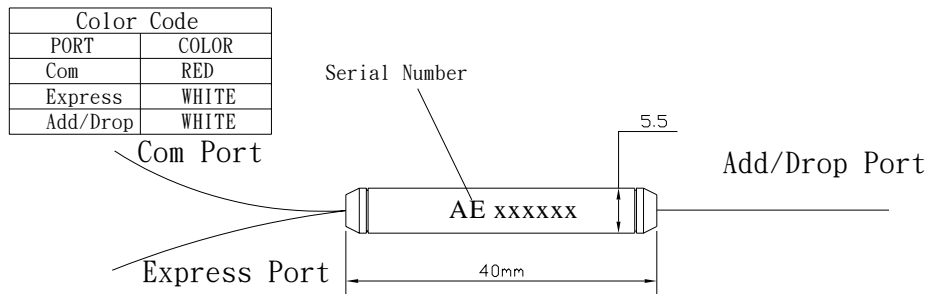
Mechanical outline

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

Type B :



Type L :





Ordering Information

ITAP - X XX X X X X UM X

