

Standard WDM/Isolator Hybrid

Features

- Low Insertion Loss
- Low polarization sensitivity
- High Channel Isolation

Applications

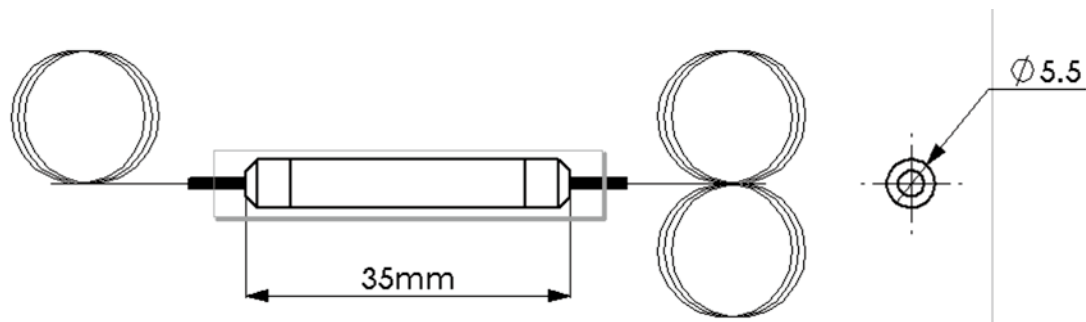
- EDFA
- WDM System
- CATV



Performance Specifications

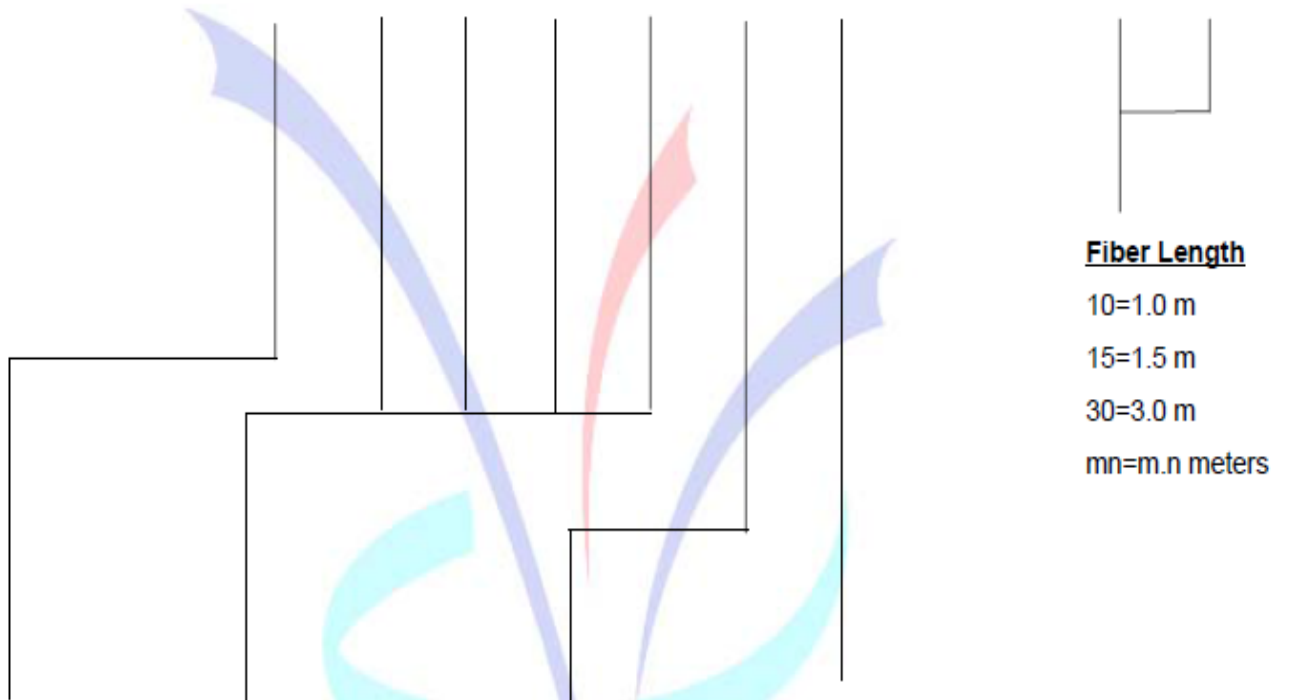
| Parameters | 95 Series | | 45 Series | | Unit |
|--|------------------------------|-------------|----------------------|-------------|--------------|
| | Single | Dual | Single | Dual | |
| Isolator Stage | Single | Dual | Single | Dual | |
| Signal Wavelength(λ_s) | 1528-1565 | | 1528-1565, 1570-1605 | | nm |
| Pump Wavelength(λ_p) | 965-995 | | 1450-1490 | | nm |
| Isolation(λ_s) | ≥ 21 | ≥ 36 | ≥ 21 | ≥ 36 | dB |
| Insertion Loss($\lambda_s, 0-70$ oC, all SOP) | ≤ 0.9 | ≤ 1.1 | ≤ 0.9 | ≤ 1.1 | dB |
| PMD | ≤ 0.25 | ≤ 0.05 | ≤ 0.25 | ≤ 0.05 | ps |
| Insertion Loss($\lambda_p, 0-70$ oC, all SOP) | ≤ 0.6 | | ≤ 0.5 | | dB |
| transmitted Isolation(λ_p) | ≥ 30 | | | | dB |
| reflected Isolation(λ_s) | ≥ 15 | | | | dB |
| PDL | ≤ 0.1 | | | | dB |
| Return Loss | ≥ 50 | | | | dB |
| Directivity | ≥ 55 | | | | dB |
| Max Power Handling | 500 | | | | mw |
| Operating Temperature | 0 to 70 | | | | $^{\circ}$ C |
| Storage Temperature | -40 to 85 | | | | $^{\circ}$ C |
| Fiber Type(Signal) | Corning Hi 1060 Flex | | Corning SMF-28 | | |
| Fiber Type(Pump) | Corning SMF-28 | | Corning SMF-28 | | |
| Package Dimension | $\Phi 5.5 \times 35$ typical | | | | mm |

Mechanical Dimensions(mm)



P/N Scheme: Hybrid (WDM + Isolator)

| | | | | | | | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|---|---|--|--|--|
| H | W | I | | | | | | | | N | N | | | |
|---|---|---|--|--|--|--|--|--|--|---|---|--|--|--|



| <u>Stage</u> | <u>Wavelength/Band</u> | <u>Pump Configuration</u> | <u>Fiber Jacket</u> | <u>Connectors</u> | |
|--------------|------------------------|---------------------------|---------------------------|-------------------|----------|
| 1 = Single | 9815 = 980/1550 nm | F = Forward | A =250 μ m bare fiber | 0=none | A=FC/PC |
| 2 = Dual | 1415 = 1480/1550 nm | B = Backward | B =900 μ m loose tube | 2=FC/UPC | B=SC/SPC |
| | | | | 3=FC/APC | C=SC/PC |
| | | | | 4=SC/UPC | D=ST/SPC |
| | | | | 5=SC/APC | E=ST/PC |
| | | | | 6=ST/UPC | F=LC/SPC |
| | | | | 7=LC/UPC | G=LC/PC |
| | | | | 9=FC/SPC | H=MU/UPC |
| | | | | | I=MU/PC |
| | | | | | J=LC/APC |