

SINGLE-MODE TRI-WINDOW COUPLER (1310/1490/1550nm)

Specifications

Contact Ascentta with your custom specification needs.

| Parameter | | Unit | Value |
|--------------------------------|--------|-----------|-------------------------------|
| Wavelength | | nm | 1310, 1490, and 1550 |
| Bandwidth | | nm | 1310±40, 1490±10, and 1550±40 |
| Excess Loss | | Typ. dB | 0.07 |
| Insertion Loss (23°C, All SOP) | 50/50 | Max dB | 3.6 |
| | 40/60 | Max dB | 4.7/2.7 |
| | 30/70 | Max dB | 6.0/1.9 |
| | 20/80 | Max dB | 7.9/1.3 |
| | 10/90 | Max dB | 11.2/0.75 |
| | 5/95 | Max dB | 14.6/0.4 |
| | 2/98 | Max dB | 18.8/0.3 |
| 1/99 | Max dB | 22.5/0.25 | |
| PDL | | Max dB | 0.15 |
| Directivity | | Min dB | 55 |
| Optical Power Handling | | Max mW | 300 |
| Operating Temperature | | °C | -40 to 85 |
| Storage Temperature | | °C | -40 to 85 |

* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.

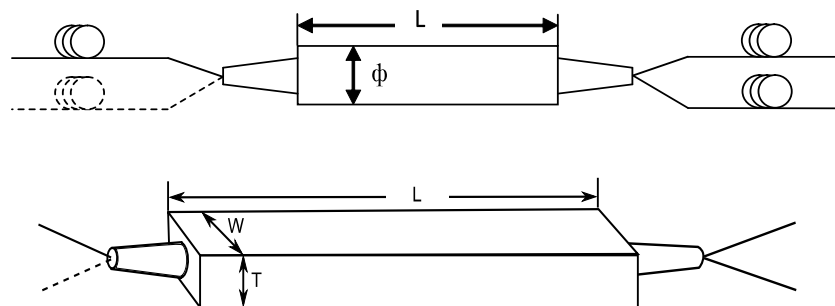
* SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

| Parameter | | 250µm bare fiber | 900µm loose tube | 900µm/3mm loose tube |
|---------------|----|--------------------------|--------------------------|----------------------|
| Configuration | | 1x2 or 2x2 | | |
| Dimension | mm | Φ3.0 x L40 Φ3.0 x L54 | φ3.0 x L54 φ3.0 x L56 | L90 x W20 x T10 |

Package Diagram



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Ordering Information

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| CP | Type | Wavelength | Coupler Ratio | Port | Package | Fiber Type | Cable Type | Fiber Length | Connector |
|----|--------------|---|--|---------------------------------------|---|---------------------------|--------------------------------------|---|--|
| CP | T=Tri-Window | 345=1310 + 1490 + 1550 X: Others | 50=50/50 20=20/80 10=10/90 05=05/95 02=02/98 01=01/99 X=Others | 12=1x2 22=2x2 X= Others | A40=φ3.0 x L40 A54=φ3.0 x L54 A56=φ3.0 x L56 C10=L90xW20x T10 X=Others | S=SMF-28 X= Others | B=250um L=900um W=2mm H=3mm | 05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others | NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others |

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SINGLE-MODE TRI-WINDOW COUPLER: TREE AND STAR MODULE (1310/1490/1550nm)

Specifications

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| Parameter | | Unit | Type Nx4 | Type Nx8 | Type Nx16 | Type Nx32 |
|--------------------------------|------|------|-------------------------------|----------|-----------|-----------|
| | | | N=1, 2 | N=1,2 | N=1, 2 | N=1, 2 |
| Wavelength | | nm | 1310, 1490, and 1550 | | | |
| Bandwidth | | nm | 1310±40, 1490±10, and 1550±40 | | | |
| Excess Loss | Typ. | dB | 0.3 | 0.45 | 0.6 | 0.75 |
| Insertion Loss (23°C, All SOP) | Max | dB | 7.2 | 10.8 | 14.4 | 18.0 |
| PDL | Max | dB | 0.3 | 0.4 | 0.5 | 0.6 |
| Directivity | Min | dB | 55 | | | |
| Optical Power Handling | Max | mW | 300 | | | |
| Operating Temperature | | °C | -20 ~ +70 | | | |
| Storage Temperature | | °C | -40 ~ +85 | | | |

* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.

* SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

| CP | Type | Wavelength | Coupler Ratio | Port | Package | Fiber Type | Cable Type | Fiber Length | Connector |
|----|---------------------------|---|--------------------|---|---|-----------------------|--------------------------------------|---|--|
| CP | T=Tri-Window X: Others | 345=1310 + 1490 + 1550 X: Others | 25=25% X=Others | 14=1x4 24=2x4 18=1x8 28=2x8 X= Others | Contact Ascentta with your packaging needs. | S=SMF-28 X= Others | B=250um L=900um W=2mm H=3mm | 05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others | NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others |

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