

1x3 Monolithic Single Mode Coupler

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|--------------------------------|--|
| Features | |
| Low excess loss & low IL | |
| Mini Size | |
| High stability and reliability | |
| Application | |
| Optical communication systems | |
| FTTH | |
| Optical fiber sensors | |

Specifications

| Parameter | Type | 1x3 CP-S | | 1x3 CP-W | | 1x3 CP-D | | 1x3 CP-T | |
|----------------------------|---------------------------|-----------|-------------|----------|-------|----------|-----------|------------------------------|----------------|
| | Operating wavelength (nm) | | 1310, 1550, | | | | 1310/1550 | | 1310/1490/1550 |
| Operating bandwidth (nm) | | ±15 | | ±40 | | ±40 | | 1310±40, 1490±10 and 1550±40 | |
| Grade | | P | A | P | A | P | A | P | A |
| Typical excess loss (dB) | | 0.1 | 0.15 | 0.1 | 0.15 | 0.1 | 0.15 | 0.1 | 0.15 |
| Insertion loss (dB) | | ≤5.4 | ≤5.7 | ≤5.6 | ≤6.0 | ≤5.8 | ≤6.2 | ≤5.8 | ≤6.2 |
| PDL (dB) | | ≤0.2 | ≤0.25 | ≤0.2 | ≤0.25 | ≤0.25 | ≤0.3 | ≤0.25 | ≤0.3 |
| Uniformity (dB) | | ≤0.8 | ≤1.2 | ≤1.0 | ≤1.4 | ≤1.2 | ≤1.5 | ≤1.2 | ≤1.5 |
| Directivity (dB) | | ≥55 | | | | | | | |
| Operating temperature (°C) | | -40 ~ +85 | | | | | | | |

Package Information

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|-----------------|-------------------------------|------------------|
| Configuration | 1x3 | |
| Fiber length | 1m, others on request | |
| Fiber Type | SMF-28e | |
| Pigtail type | 250µm bare fiber | 900µm loose tube |
| Dimensions (mm) | φ3.0×54 or φ3.0×35 or φ3.0×30 | φ4.0×60 |

Ordering Information

| CP | Wavelength | Grade | Port Type | Wavelength (nm) | Coupling Ratio | Pigtail Type | Fiber Type | Length | Connector | Package | |
|----|---|-------|-----------|-----------------|----------------|--------------|---------------|---------|-----------|-----------|------|
| | S = Single mode standard coupler | P | 1x2 | 532 | 1/99 | 250=250um | 1=SMF-28e | 1= | NE=None | 3x54 | |
| | | A | 2x2 | 633 | 2/98 | bare fiber | 2=50/125 | 1m | FA=FC/APC | 3x40 | |
| | W =Wide band coupler | | 1x3 | 780 | 3/97 | 900=900um | 3=62.5/12.5 | X:other | | FC=FC/UPC | |
| | | | 1x4 | 850 | | loose tube | 4=HI1060FLE | | | | |
| | D =Dual window coupler | | 1x5 | 980 | 50/50 | 2000=2mm | X | | | SC=SC/UPC | |
| | | | | 1064 | | loose tube | 5=Panda fiber | | | | |
| | T =Three Window coupler | | | | 1310 | | 3000=3mm | | | LA=LC/APC | |
| | | | | | 1550 | | loose tube | | | | |
| | M =Multimode fiber Coupler | | | | 1310/1550 | | | | | MU=MU/UPC | |
| | | | | | 1260~1620 | | | | | | |