

1xN Multimode Fiber Fused Coupler (MMC)

Specifications:

| Port | | 1x2(2X2) | |
|----------------------------|-------|--------------------|-----------|
| Parameter | | Grade P | Grade A |
| Operating wavelength (nm) | | 1310+/-40;850+/-40 | |
| Typical excess loss (dB) | | 0.4 | 0.7 |
| Insertion loss (dB) | 50/50 | ≤3.7 | ≤4.0 |
| | 40/60 | ≤4.7/2.7 | ≤5.0/3.0 |
| | 30/70 | ≤6.0/2.1 | ≤6.3/2.4 |
| | 20/80 | ≤7.8/1.4 | ≤8.1/1.7 |
| | 10/90 | ≤11.2/0.9 | ≤11.6/1.2 |
| | 5/95 | ≤14.5/0.7 | ≤15.0/1.0 |
| | 2/98 | ≤18.6/0.6 | ≤19.4/0.9 |
| | 1/99 | ≤22.0/0.5 | ≤22.8/0.8 |
| Uniformity(50/50)(dB) | | ≤0.5 | ≤0.8 |
| Directivity (dB) | | ≥40 | |
| Operating temperature (°C) | | -40 ~ +85 | |

| Port | | 1x3. | | 1x4 | |
|----------------------------|--|--------------------|---------|---------|---------|
| Parameter | | Grade P | Grade A | Grade P | Grade A |
| Operating wavelength (nm) | | 1310+/-40;850+/-40 | | | |
| Typical excess loss (dB) | | 0.4 | 0.7 | 0.9 | 1.2 |
| Insertion loss (dB) | | ≤6.6 | ≤6.7 | ≤8.0 | ≤8.3 |
| Uniformity (dB) | | ≤0.8 | ≤1.2 | ≤1.2 | ≤1.5 |
| Directivity (dB) | | ≥40 | | | |
| Operating temperature (°C) | | -40 ~ +85 | | | |

***Other Specifications can be made on customer request.**

Package Information

| | | | |
|---------------------|----------------------------------|------------------|--------------------------|
| Configuration | 1x2 or 2x2 or 1x3, 1X4 | | |
| Fiber length | 1m, others on request | | |
| Fiber Type | 62.5/125um, 50/125 OM2, OM3, OM4 | | |
| Pigtail type | 250μm bare fiber | 900μm loose tube | 900μm/2mm/3mm loose tube |
| Dimensions(φ×L)(mm) | φ3.0×L54 | φ3.0×L54 | L90×W20×H9.5 |

***** Other package dimensions can be made on customer request.**

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Ordering Information

| Product | Wavelength | Port | CR | Grade | Package | 0 | Fiber | Test Source | Pigtail Type | Length | Connector |
|---------|--|--|--|--------------------|--|---|---|----------------------------|--|---------------------------------------|---|
| MMC | 31=1310 85=850 38=850/1310 SS=Other | 1=1x 2 2=2x 2 3=1x 3 4=1x 4 | 1=1/99 2=2/98 3=3/97 5=5/95 A=10/90 B=20/80 C=30/70 D=40/60 E=50/50 F=15/85 G=25/75 S=Other | P= P A= A | 1=φ3.0×L54 3=φ3.0XL60 A=90x20x9.5 S=Other | 0 | A=OM3 50/125 MM B= OM4 50/125 MM F= 62.5/125 | L=LED D V=VSC CEL | 0=250um bare fiber 1=900um loose tube 2=2mm loose tube 3=3mm loose tube | H=0.5m 8=0.8m 1=1.0m S=Other | 0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=ST/PC 6=LC/PC 7=LC/APC 8=E2000 APC S=Others |

- Company standard fiber manufacturer YOFC OM3 50/125, OM4 50/125
- Test is based on VSCSEL or LED