

1x2(2x2) All Band Polarization Insensitive Fused PM Fiber Coupler

Features

- Low Excess Loss
- High Power Handling
- Available for Slow Only or Both Axis App
- Telcordia GR-1221 Compliant

Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication
- Fiber Gyroscope

Specifications

| Parameters | Unit | Values |
|-------------------------------|------|----------------|
| Operating Wavelength | nm | 1260~1620 |
| Typical Excess Loss | dB | ≤0.8 (Typ 0.6) |
| Polarization Extinction Ratio | dB | ≥18 |
| Return Loss | dB | ≥50 |
| Directivity | dB | ≥55 |
| Power Handling | W | ≤2 |
| Operating Temperature | °C | -40 ~ +85 |
| Storage Temperature | °C | -40 ~ +85 |

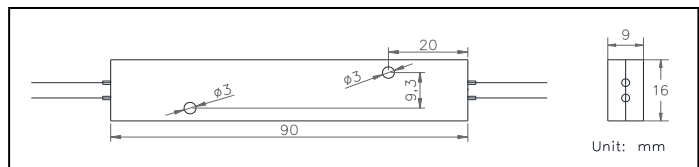
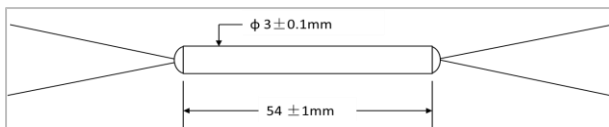
Splitting Ratio Tolerance

| Splitting Ratio | Grade P |
|-----------------|---------|
| 50/50 | ±7.0 |
| 60/40 | ±5.5 |
| 70/30 | ±4.0 |
| 80/20 | ±3.1 |
| 90/10 | ±2.6 |
| 95/5 | ±1.5 |
| 98/2 | ±1.0 |
| 99/1 | ±0.6 |

Package Information

| | | | |
|----------------|-------------------------|------------------|--------------------------|
| Configuration | 1x2 or 2x2 | | |
| Fiber Length | 0.8m, others on request | | |
| Fiber Type | Panda fiber PM1550 | | |
| Pigtail Type | 250µm Bare Fiber | 900µm Loose Tube | 900µm/2mm/3mm Loose Tube |
| Dimensions(mm) | φ3.0×54 | φ3.0×54 | 90×16×9 |

Package Dimensions



Ordering Information

CP- ①①-②-③③③-④④④④④④④④④-⑤⑤⑤⑤-⑥⑥⑥-⑦-⑧⑧⑧-⑨⑨-⑩⑩⑩⑩

| | | |
|---|----------------|--|
| ① | Type | PS=PM Fused Coupler; |
| ② | Grade | P=Grade P; |
| ③ | Port Type | 1x2; 2x2; |
| ④ | Wavelength | 1260~1620; |
| ⑤ | Coupling Ratio | 1/99; 2/98; 3/97;; 50/50; |
| ⑥ | Pigtail Type | 250=250µm Fiber; 900=900µm Loose Tube; |
| ⑦ | Fiber Type | 5=Panda Fiber; |
| ⑧ | Length | 0.8=0.8m; |
| ⑨ | Connector | NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others; |
| ⑩ | Package | 3x54; 90x16x9; |