

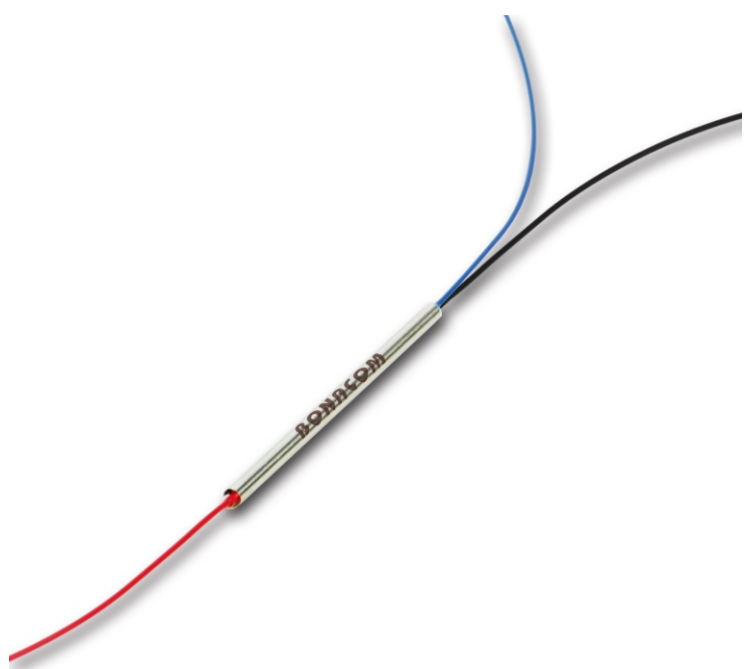
# 1064nm Single-Mode Fused Coupler

## Features

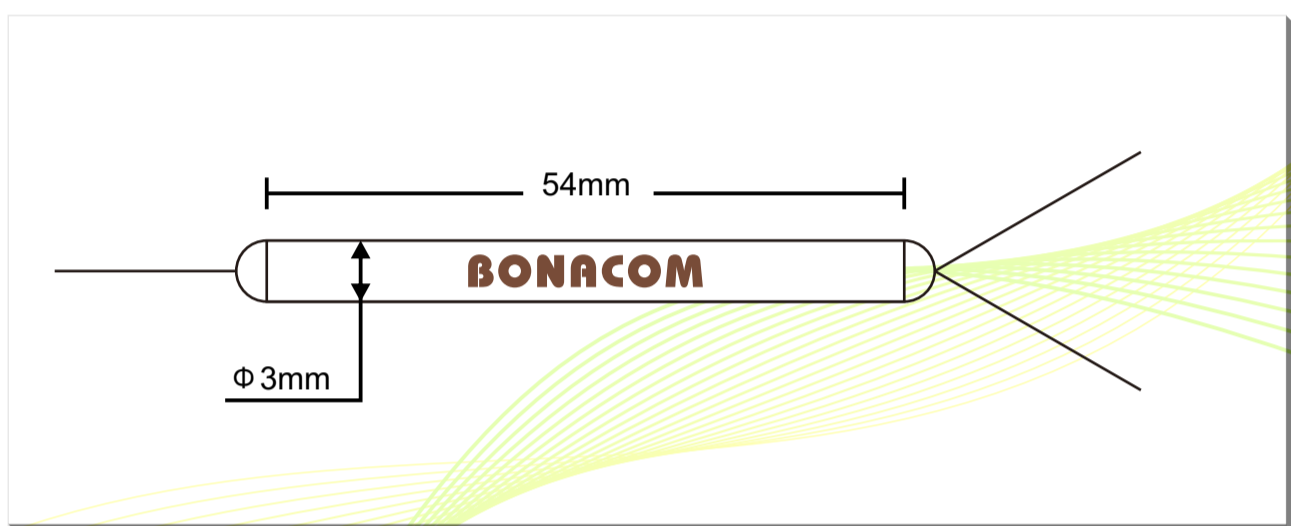
- Low Insertion Loss
- Low Polarization Dependent Loss
- High Isolation
- High stability & Reliability

## Applications

- EDFA
- Testing Instrumentations
- Fiber Laser
- WDM System



## ◆ Package Dimensions



Address: 2F,DF Industrial Park,Shanghenglang Community,Dalang,Longhua New District,Shenzhen,P.R.C.518109.  
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## ◆ Specifications

| Parameter                        | Unit  | Value  |
|----------------------------------|-------|--|
| Operating Wavelength             | nm    | 1064   |
| Operating Bandwidth              | nm    | ±10  |
| Max. Insertion Loss              | 50/50 | dB 3.6/3.6   |
|                                  | 40/60 | dB 4.8/2.8   |
|                                  | 30/70 | dB 6.0/2.0   |
|                                  | 20/80 | dB 8.0/1.5   |
|                                  | 10/90 | dB 11.5/0.75   |
|                                  | 5/95  | dB 14.5/0.5  |
|                                  | 2/98  | dB 18.5/0.35   |
|                                  | 1/99  | dB 22/0.3  |
| Max. Excess Loss                 | dB    | 0.3  |
| Max. Polarization Dependent Loss | dB    | 0.15   |
| Min. Directivity                 | dB    | 50   |
| Max. Return Loss                 | dB    | 50   |
| Max. Optical Power(CW)           | W     | 2,5  |
| Fiber Type                       | -     | Hi1060 fiber or specify  |
| Package Dimension                | mm    | 3*54(bare fiber,0.9mm loose tube),<br>90*20*10(0.9mm/2mm/3mm loose tube) |
| Operating Temperature            | °C    | 0~+65  |
| Storage Temperature              | °C    | -40~+85  |

For device with connector, IL is 0.3dB higher, RL is 5dB lower.

## ◆ Ordering Information

SMFUC-1111-23456-777

|      |                  |  |
|------|------------------|--|
| 1111 | -Wavelength:     | 1064=1064nm,1900=1900nm,1950=1950nm,2000=2000nm                            |
| 2    | -Type:           | 0=1x2,1=2x2  |
| 3    | -Coupling Ratio  | 199=1/99,298=2/98...5050=50/50   |
| 4    | -Fiber type      | 0=hi1060,1=LMA-GDF-10/130-M  |
| 5    | -Pigtail type:   | 0=250 bare fiber, 1=900um loose tube, 2=2.0mm loose tube, 3=3.0 loose tube |
| 6    | -Fiber length:   | 0=0.8m,1=1m  |
| 7    | -handling power: | 1=1W,2=2W,5=5W.  |

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