

## High Power Fiber Couplers

### Specifications

Fiber to fiber coupler for the connection of two high power fiber cables.



| P/N                                                        | OR-033                                     |      | OR-050                              |      | OR-066    | OR-075    |      | OR-100                                           |      |
|------------------------------------------------------------|--------------------------------------------|------|-------------------------------------|------|-----------|-----------|------|--------------------------------------------------|------|
| Magnification                                              | 0.33                                       |      | 0.50                                |      | 0.66      | 0.75      |      | 1.00                                             |      |
| Optical Transmission                                       | > 95% (neglecting fiber reflection losses) |      |                                     |      |           |           |      |                                                  |      |
| Input Fiber NA                                             | 0.12                                       | 0.16 | 0.16                                | 0.22 | 0.22      | 0.16      | 0.22 | 0.22                                             | 0.37 |
| Output Fiber NA (> or =)                                   | 0.37                                       | 0.48 | 0.37                                | 0.48 | 0.37      | 0.22      | 0.37 | 0.22                                             | 0.37 |
| Input Fiber or Bundle Diameter /<br>Output Fiber Core (μm) | 600 / 200                                  |      | 200 / 100<br>400 / 200<br>800 / 400 |      | 600 / 400 | 800 / 600 |      | 200 / 200<br>400 / 400<br>600 / 600<br>800 / 800 |      |
| Fiber Connector                                            | SMA 905                                    |      |                                     |      |           |           |      |                                                  |      |
| Power Capability (W)                                       | 100                                        |      |                                     |      |           |           |      |                                                  |      |
| Package Diameter (mm)                                      | 24                                         |      |                                     |      |           |           |      |                                                  |      |
| Package Length (mm)                                        | 54                                         |      | 59                                  |      | 64        |           |      | 74                                               |      |

### Order Information

| OR – M – W |                  |                   |                    |     |     |
|------------|------------------|-------------------|--------------------|-----|-----|
| M          | Magnification    |                   |                    |     |     |
|            | 033              | 050               | 066                | 075 | 100 |
| W          | Wavelength       |                   |                    |     |     |
|            | A<br>400 – 700nm | B<br>650 – 1050nm | C<br>1050 – 1620nm |     |     |

For example, OR-100-B

### Drawing

NOTE: Other diameters and focal lengths available on custom basis. Please inquire.