

# Circulator

## 1310 or 1550 nm 3-Port Polarization Insensitive

### ➔ Specifications

| Parameter   | Premium                             | A Grade       |
|---|-------------------------------------|---------------|
| Central Wavelength ( $\lambda_c$ )                        | 1310 nm or 1550 nm                  |               |
| Isolation ( $\lambda_c \pm 20$ nm, 23° C, 2-1 or 3-2)     | $\geq 50$ dB typical, 40 dB minimum |               |
| Insertion Loss ( $\lambda_c \pm 15$ nm, 23° C)            | $\leq 0.6$ dB                       | $\leq 0.8$ dB |
| Insertion Loss ( $\lambda_c \pm 20$ nm, 0-70° C, all SOP) | $\leq 0.8$ dB                       | $\leq 1.0$ dB |
| Wavelength Dependent Loss                                 | $\leq 0.2$ dB                       |               |
| Return Loss   | $\geq 50$ dB                        |               |
| PMD   | $\leq 0.1$ ps                       |               |
| Maximum Power   | 500 mW                              |               |
| Directivity   | $\geq 50$ dB                        |               |
| PDL   | $\leq 0.15$ dB                      | $\leq 0.2$ dB |
| Operating Temperature                                     | 0° C ~ + 70° C                      |               |
| Storage Temperature                                       | - 40° C ~ + 85° C                   |               |
| Package Dimensions  | 5.5 mm ( $\Phi$ ) x 60 mm (L)       |               |

Note1: All values specified are without connectors.

Note2: Higher performance specifications upon request.

Note3: Fiber type Corning SMF-28e.

### ➔ Ordering Information

|          |          |          |                          |   |                            |   |             |              |  |   |  |   |   |   |   |
|----------|----------|----------|--------------------------|---|----------------------------|---|-------------|--------------|--|---|--|---|---|---|---|
| <b>C</b> | <b>I</b> | <b>R</b> | -                        | - | <b>03</b>                  | - | <b>A</b>    | -            | -  | - | -  | - | - | - | - |
|          |          |          | Grade                    |   | Center Wavelength          |   | Ports       | Fiber Length | Pigtail Style<br>(=Package style)          |   | Connector  |   |   |   |   |
|          |          |          | P: Premium<br>A: A Grade |   | 13: 1310 nm<br>15: 1550 nm |   | 03: 3 ports | A: 1 meter   | B: bare fiber<br>L: 900 $\mu$ m loose tube |   | 0: None    7: LC/UPC<br>1: FC/PC    8: LC/SPC<br>2: FC/APC    9: Special<br>3: SC/PC    A: FC/UPC<br>4: SC/APC    B: SC/UPC<br>5: FC/SPC    C: ST<br>6: SC/SPC |   |   |   |   |