

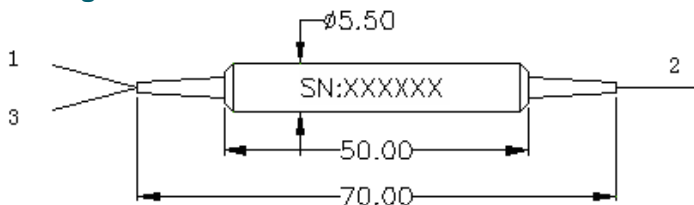
## Polarization Insensitive Optical Circulator

|   |  |
|---|--|
| <b>Features</b>   |  |
| High isolation & High Return Loss<br>Low insertion loss & PDL                       |  |
| <b>Applications</b>   |  |
| EDFA, DWDM and OTDR<br>DWDM and OADM networks<br>Bi-directional transmission system |  |

### Specifications

| Parameter  | Type    | Normal Size                                  |                    |                      | Mini Size             |
|--|---------|--|--------------------|----------------------|-----------------------|
| Port Type  |         | 3 Port                                       |                    |                      | 3 port                |
| Operating wavelength (nm)                                    |         | 1310, 1490, 1550,<br>1625, 1650<br>(+/-30nm) | C+L<br>(1520~1620) | S+C+L<br>(1460~1620) | 1310, 1550            |
| Isolation ( $\lambda_c, 23^\circ\text{C}$ all sop) (dB)      |         | $\geq 40$                                    | $\geq 40$          | $\geq 40$            | $\geq 40$             |
| Isolation (Over all $\lambda_c, T, \text{sop}$ ) (dB)        |         | $\geq 35$                                    | $\geq 30$          | $\geq 30$            | $\geq 35$             |
| Insertion Loss ( $\lambda_c, 23^\circ\text{C}$ all sop) (dB) | Grade P | $\leq 0.8$                                   | $\leq 1.1$         | $\leq 0.8$           | $\leq 0.8$            |
|  | Grade A | $\leq 1.0$                                   | $\leq 1.2$         | $\leq 1.0$           | $\leq 1.0$            |
| PDL (dB)   |         | 0.15   |                    |                      |                       |
| Return Loss (dB)   |         | $\geq 50$                                    |                    |                      |                       |
| PMD (ps)   |         | $\leq 0.1$                                   |                    |                      |                       |
| Directivity  |         | $\geq 50$                                    |                    |                      |                       |
| Power handling (mW)  |         | $\leq 500$                                   |                    |                      |                       |
| Fiber Type   |         | SMF-28e                                      |                    |                      |                       |
| Operating temperature ( $^\circ\text{C}$ )                   |         | 0 ~ +70                                      |                    |                      |                       |
| Storage temperature ( $^\circ\text{C}$ )                     |         | -40 ~ +85                                    |                    |                      |                       |
| Dimensions (mm)  |         | $\phi 5.5 \times L50$                        |                    |                      | $\phi 5.5 \times L38$ |

### Package Dimension



### Ordering Information

| CIR | Type     | Grade  | Wavelength   | Pigtail Type  | Length           | Fiber Type | Connector   | Package                |
|-----|----------|--------|--|---|------------------|------------|---|------------------------|
|     | 3=3 Port | P<br>A | 1310=1310<br>1550=1550<br>1490=1490<br>1625=1625<br>CL=1520-1650<br>SCL=1460-1620<br>XX: Other | 0=250um bare fiber<br>1=900um loose tube<br>3=3mm loose tube<br>2=2mm loose tbe | 1= 1m<br>X=Other | 1=SMF-28e  | NE=None<br>FC=FC/UPC<br>SC=SC/UPC<br>FA=FC/APC<br>SA=SC/APC<br>ST=ST/UPC<br>LC=LC/UPC<br>LA=LC/APC<br>xx=Others | 50=5.5x50<br>38=5.5x38 |