



# 上海量青光电技术有限公司

三端口高功率偏振无关光环行器

3 Port High Power Polarization Insensitive Optical Circulator



| Applications:                                                                      | Features:                                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| EDFA,DWDM and OTDR<br>DWDM and OADM networks<br>Bi-directional transmission system | High isolation & High Return Loss<br>Low insertion loss & PDL<br>Optical Path Epoxy Free |

| Parameter                                                                                                                      | Unit | Specification                   |                     |
|--------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------|---------------------|
| Part No.                                                                                                                       | -    | LQ-HPCIR-W-PW-P-PF-C            |                     |
| Operating wavelength                                                                                                           | nm   | 1550+/-30                       | C+L band(1520~1620) |
| Peak .Isolation ,23℃                                                                                                           | dB   | >45                             | 40                  |
| Isolation@23℃                                                                                                                  | dB   | >35                             | >30                 |
| Insertion Loss@23℃                                                                                                             | dB   | ≤1.0                            | ≤1.0                |
| Insertion Loss@0~70℃                                                                                                           | dB   | <1.2                            | 1.2                 |
| PDL                                                                                                                            | dB   | <0.15                           | <0.20               |
| Power handling CW                                                                                                              | mW   | 1,2,3,5                         |                     |
| Return loss                                                                                                                    | dB   | >50                             |                     |
| Fiber type                                                                                                                     | -    | SMF-28e                         |                     |
| PMD                                                                                                                            | ps   | <0.1                            |                     |
| Directivity                                                                                                                    | -    | >50                             |                     |
| Operating Temperature                                                                                                          | ℃    | 0~+70                           |                     |
| Storage Temperature                                                                                                            | ℃    | -40~+85                         |                     |
| Dimensions                                                                                                                     | mm   | φ5.5 × L50 or L90*W20*H9.5(ABS) |                     |
| Above specifications are for device without connector.                                                                         |      |                                 |                     |
| For devices with connector,IL will be 0.3dB higher,ER will be 2dB lower and RL will be 5dB lower, and max handling power is 1W |      |                                 |                     |

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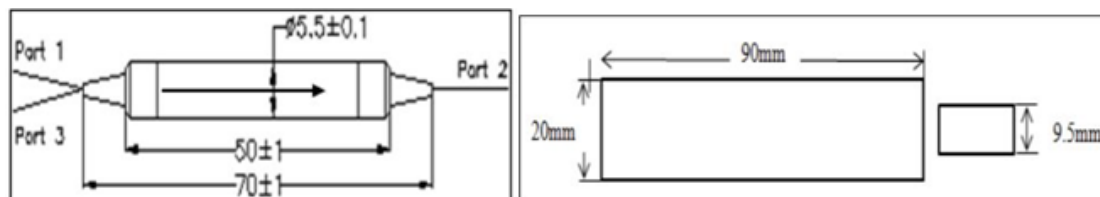
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The PM fiber and the connector key are aligned to the slow axis.



## Order Information:

LQ-HPCIR-W-PW-P-PF-C

W:Wavelength, 55=1550nm, CL=C+Lband

PW: Output power in W, example:1-1W ,2-2W,3-3W,5-5W

P:package, 1= $\phi 5.5 \times L50$ , 2= L90\*W20\*H9.5(ABS)

PF: Pigtail fiber, 0=250um, 1=900um, 3=3mm

C: Connector, FU=FC/UPC, FA=FC/APC, SA=SC/APC,, SU=SC/UPC, LA=LC/APC, LU=LC/UPC

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