

**PRODUCT DESCRIPTION**

Gould's polarization-independent, multi-port optical circulator features high isolation, low insertion loss, low polarization dependent loss and excellent stability. Key applications include WDM networks, bi-directional fiber transmission systems, optical fiber amplifiers and fiber dispersion compensation and OTDR.

**FEATURES**

- High Isolation
- Low Cross Talk
- Low Insertion Loss
- Low Polarization Dependent Loss
- Epoxy-Free Optical Path


**APPLICATIONS**

- WDM Networks
- Bi-directional fiber transmission systems
- Optical fiber amplifiers
- Fiber dispersion compensation and OTDR

**OPTICAL PARAMETERS**

1550nm or 1310nm, 3 or 4 Port

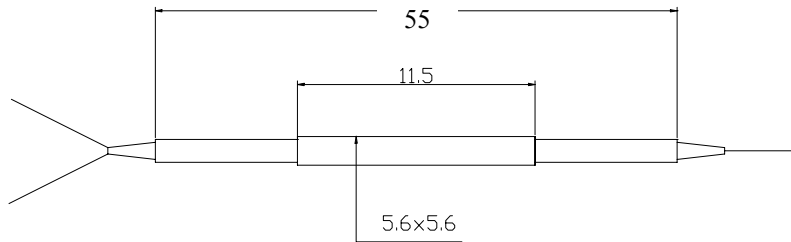
Port Number	3	4
Wavelength range (nm)	1310 or 1550	
Bandwidth (nm)	1310 $\pm$ 30 or 1550 $\pm$ 30	
Transmission Direction	Port 1-2, 2-3	Port 1-2, 2-3, 3-4
Insertion loss (dB)	P Grade: $\leq$ 0.8, A Grade: $\leq$ 0.9	
Return Loss (dB)	$>$ 50	
Peak Isolation (dB)	$\geq$ 50	$\geq$ 45
PDL (dB)	P Grade: $\leq$ 0.1, A Grade: $\leq$ 0.15	P Grade: $\leq$ 0.1, A Grade: $\leq$ 0.2
PMD (ps)	Typ 0.05	
Maximum Optical Power (mW)	300	
Fiber Type	Corning SMF-28	
Crosstalk (dB)	$\leq$ -50	
Operating Temperature (°C)	0 to 60	
Storage Temperature (°C)	-40 to 85	
Dimensions (mm)	55x 5.6x5.6(250 $\mu$ m fiber) 69x5.6x5.6 (900 $\mu$ m fiber)	63x 5.6x5.6(250 $\mu$ m fiber) 77x5.6x5.6 (900 $\mu$ m fiber)

... continued  
Fiber Optic  
Circulator

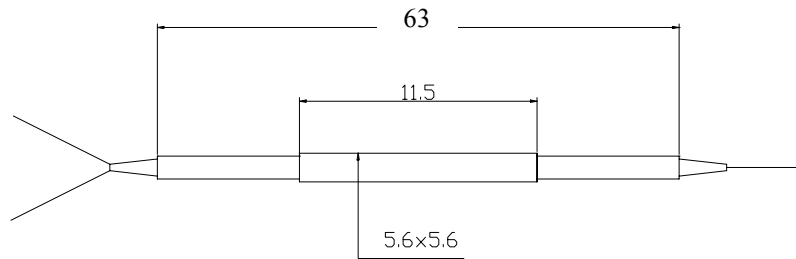
**MECHANICAL PACKAGING DIAGRAM (mm)**

(All dimensions are in mm; drawings are not to scale)

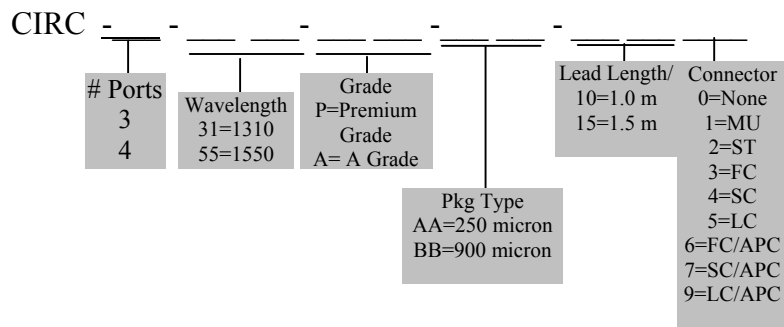
3 port 250µm fiber



4 port 250µm fiber



**ORDERING INFORMATION**



**For custom options and additional information, please contact us at:**

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Fax: 1-410-987-1201

Web: [www.gouldfo.com](http://www.gouldfo.com)

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