

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

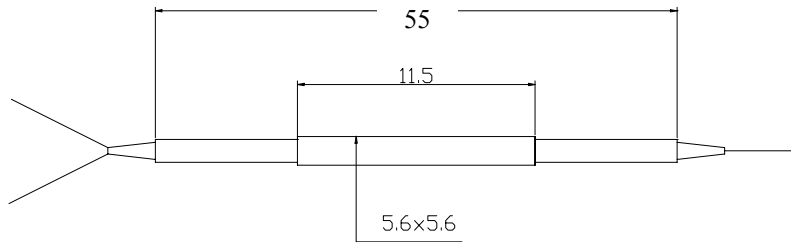
Port Number	3	4
Wavelength range (nm)	1310 or 1550	
Bandwidth (nm)	1310 \pm 30 or 1550 \pm 30	
Transmission Direction	Port 1-2, 2-3	Port 1-2, 2-3, 3-4
Insertion loss (dB)	P Grade: \leq 0.8, A Grade: \leq 0.9	
Return Loss (dB)	$>$ 50	
Peak Isolation (dB)	\geq 50	\geq 45
PDL (dB)	P Grade: \leq 0.1, A Grade: \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 μ m fiber) 69x5.6x5.6 (900 μ m fiber)	63x 5.6x5.6(250 μ m fiber) 77x5.6x5.6 (900 μ m fiber)

... continued
Fiber Optic
Circulator

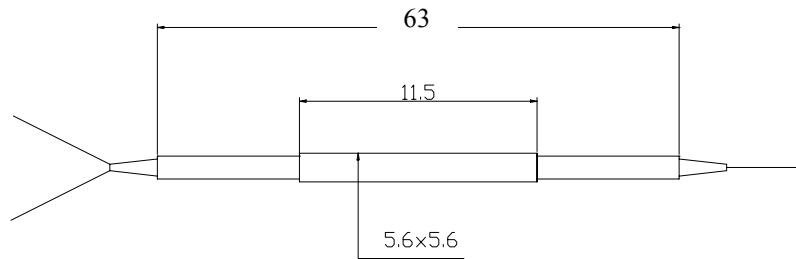
MECHANICAL PACKAGING DIAGRAM (mm)

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

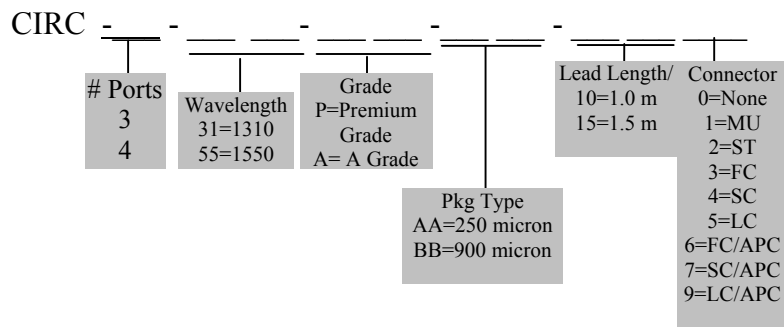
3 port 250µm fiber



4 port 250µm fiber



ORDERING INFORMATION



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

Phone: 1-410-987-5600

Fax: 1-410-987-1201

Web: www.gouldfo.com

All data listed in this data sheet is subjected to change without notice. Gould reserves the right to revise or update the data sheet. Copyright 2003 by Gould Fiber Optics.