

PIOC-3/C PIOC-3/L

Polarization Independence triple-ports Optical Circulator

PRODUCT DESCRIPTION

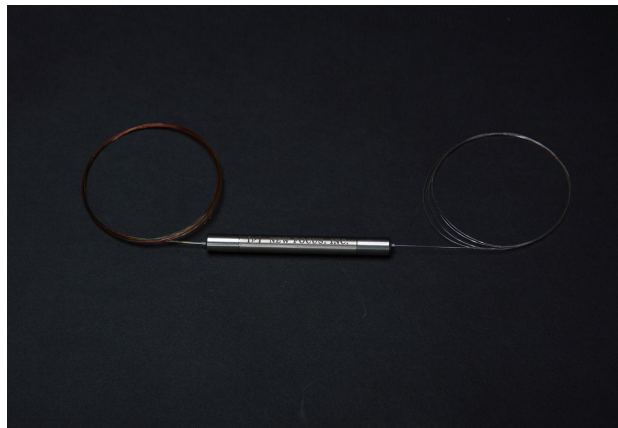
PIOC series polarized unrelated optical circulator has excellent optical feature in wide wavelength band range. Wide band width , low insertion loss, low polarized related loss as well as good packaging makes it as one of the best components which can be used in EDFA, OADM, dispersion component area.

PRODUCT FEATURE

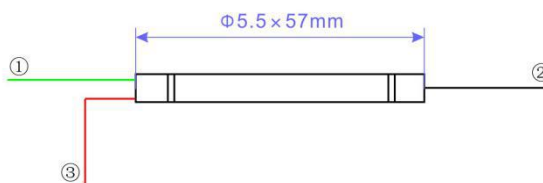
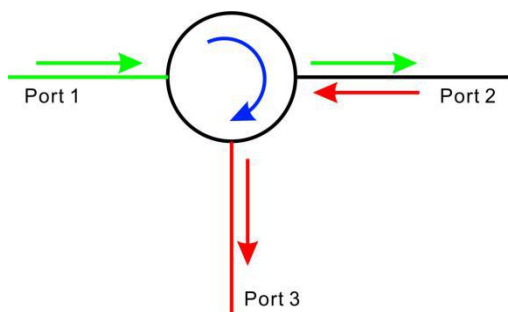
- ▶ Compact structure
- ▶ Low polarization dependence loss
- ▶ Low insertion loss
- ▶ High stability, high reliability
- ▶ No epoxy glue in optical line

MAIN APPLICATION

- ▶ Optical amplifier
- ▶ MAN
- ▶ Dispersion compensation
- ▶ Research in lab



CIRCUIT BLOCK DIAGRAM



TECHNIQUE INDEX

Performance		Index	Supplement
Operating wavelength	C-Band	1528~1563nm	PIOC-3/C
	L-Band	1570~1605nm	PIOC-3/L
Insertion loss		$\leq 0.8\text{dB}$ (Typ. $\geq 0.6\text{dB}$)	
Channel separation		$> 50\text{dB}$	
Directivity		$> 50\text{dB}$	
Polarization dependence loss (PDL)		$< 0.1\text{dB}$	
Polarization mode dispersion (PMD)		$< 0.1\text{ps}$	
Wavelength dependence loss		$\leq 0.15\text{dB}$	
Echo loss		$> 50\text{dB}$	
Transmission power		$\leq 500\text{mW}$	
Operating temp.		$< 70^{\circ}\text{C}$	
Storage temp.		$-40\sim +85^{\circ}\text{C}$	
Fiber type		SMF-28	
Fiber length		$1.0\pm 0.1\text{m}$	
Size		$\Phi 5.5\times 57\text{mm}$	