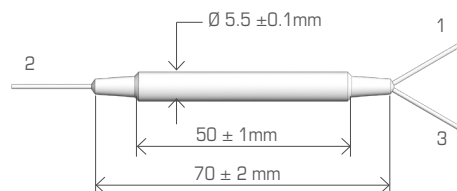
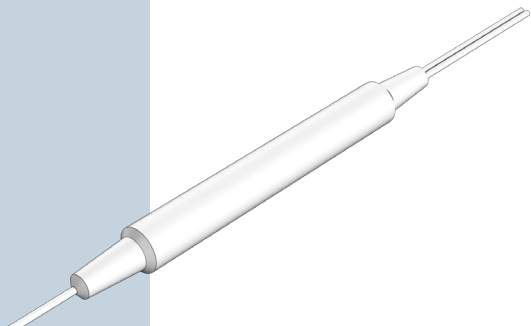




## OPTICAL CIRCULATOR



The Fiber Optic Circulators are non-reciprocal advanced passive devices that direct light sequentially from port 1 to port 2, port 2 to port 3 and so on in only one direction. Unlike Fiber Optic Isolators, Fiber Optic Circulators do not disregard backward propagating light from

the input fiber, but rather route it to another port. Circulators are used in Bi-Directional and High-Speed Communication Systems, DWDM Networks, Fiber Amplifiers, Fiber Sensors, OTDR Measurements.

	PARAMETERS	VALUE	UNIT
<b>SPECIFICATIONS</b>	Center Wavelength ( $\lambda_c$ )	1310, 1550 or 1064	nm
	Operating Wavelength range	$\pm 30$	nm
	Insertion Loss*	$\leq 0.8$ UPC ; $\leq 1.0$ APC	dB
	Isolation	$\geq 40$	dB
	Isolation [Channel Peak]	$\geq 50$	dB
	Polarization Dependent Loss	$\leq 0.15$	dB
	Return Loss *	$\geq 50$	dB
	Channel Cross Talk [Port1 to Port3]	$\geq 50$	dB
	Polarization Mode Dispersion	$\leq 0.05$	ps
	Power Handling**	500	mW
	Operating Temperature	-40 to +85	$^{\circ}\text{C}$
	Storage Temperature	-40 to +85	$^{\circ}\text{C}$
Package size	$\varnothing 5.5 \times 50$	mm	

\*Note: IL and RL tested with Connectors. \*\* High Power handling available.

CODE	N° OF PORTS		WAVELENGTH		FIBER TYPE		CONNECTOR TYPE		FIBER LENGTH	
<b>F4M-CIR</b>	13	3 ports	31	1310nm	25	250 $\mu\text{m}$ Bare Fiber	0	None	05	0.5 m
	S	Specify	55	1550nm	9L	900 $\mu\text{m}$ Loose Tube	A	SC/UPC	10	1m
			64	1064nm	S	Specify	B	SC/APC	S	Specify
			S	Specify			C	FC/UPC		
							D	FC/APC		
							E	LC/UPC		
						Q	LC/APC			
						S	Specify			

ORDER CODE EXAMPLE

F4M-CIR - 13 - 31 - 25 - QQ - 10

