

POLARIZATION MAINTAINING (PM) 3-PORT OPTICAL CIRCULATOR (1310, 1480, 1550, or 1590nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter			Unit	Single-Stage	Dual-Stage
Wavelength			nm	1310, or 1480, or 1550, or 1590	
Bandwidth			nm	±20	±20
Transmitting Direction			-	1→2, 2→3	
Isolation (2→1, or 3→2)	(λc, 23°C)	Typ.	dB	40	55
	(23°C)	Min	dB	30	40
Insertion Loss (1→2, or 2→3)	(λc, 23°C)	Typ.	dB	0.6	0.8
	(23°C)	Max	dB	0.8	1.0
Extinction Ratio			Min	20 (slow axis only)	18 (both axes) / 22 (slow axis only)
Return Loss			Min	50	
Directivity (1→3, or 3→1)			Min	50	
Optical Power Handling			Max	300	
Package Dimension			mm	Φ5.5 x L35	Φ5.5 x L38 or Φ5.5 x L50
Operating Temperature			°C	-5 to 70	
Storage Temperature			°C	-40 to 85	

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & ER.

* Connector key is aligned to slow axis.

Ordering Information

Contact Ascentta with your custom configuration needs.

PM CIR	Port	Stages	Wavelength	Working Axis	Fiber Type	Fiber Length	Connector	Package
PM CIR	3=3-Port	S=Single	13=1310nm	B=Both axes	PMB=PM Panda	10=1.0m	NE=None	Blank=Standard (Single-stage Φ5.5 x L35) (Dual-stage Φ5.5 x L50)
	4=4-Port	D=Dual	14=1480nm	S=Slow axis	250um	15=1.5m	FA=FC/APC	
	5=5-Port		15=1550nm	only (Fast	PMO=PM Panda	20=2.0m	FC=FC/PC	
	6=6-Port		159=1590nm	axis blocked)	400um	30=3.0m	SA=SC/APC	
	7=7-Port				PML= PM Panda		SC=SC/PC	5.5x38 = Mini (Φ5.5 x L38)
	8=8-Port		X=Others		900um	X=Others	ST=ST/PC	X=Others
				X=Others			LA=LC/APC	
							LC=LC/PC	
							X=Others	

*Single-Stage only available with slow axis working.

Package Dimensions

