

Multimode Fiber Optical Circulator

(850nm, single stage, up to 20W)



DATASHEET

BUY NOW



The OC Series 850nm MM Optical Circulators are non-reciprocal devices that redirect light at 850nm from port to port in only one direction while minimizing back reflection and back scattering in the reverse directions for any state of polarization. With Agiltron's special magnetic optics technology and proven micro optics design, the circulator features low insertion loss, high isolation, compact structure, high power handling, and high stability.

The excellent characteristics of this product make it an ideal choice for application in fiber amplifier systems, pump laser diodes, and optical fiber sensors. Agiltron also provides customized design to meet special applications.

Features

- Low Insertion Loss
- High Isolation
- Low PDL
- High Stability
- High Reliability
- Cost Effective

Specifications

Parameter	Min	Typical	Max	Unit
Operation Wavelength	840	850	860	nm
Insertion Loss ^[1]		1.8	2	dB
Isolation	20	25	28	dB
Crosstalk (P1 to P3)	25			dB
Return Loss ^[2]	25	30		dB
Optical Power Handling		0.5	20	W
Operating Temperature	10		50	°C
Storage Temperature	-10		60	°C
Fiber Type	50/125, 62.5/125 Multimode			

Notes:

[1]. For CPR<14, room temperature without connector

[2]. Without connector. By adding connector, it may changed

Applications

- Optical Fiber Amplifier
- Pump Laser Source
- Fiber Optic Sensor
- Test and Measurement
- Instrumentation

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Ordering Information

	1 3	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prefix	Type	Wavelength	Optical Power	Package	Fiber Type	Fiber Cover	Fiber Length	Connector
OCST-		850nm = 8	0.5W = 1 5W = 5 10W = 6 15W = 7 20W = 8 Special = 0	Regular = 1 High Power = 2 Special = 0	50/125MM = 5 62.5/125MM = 6 Special = 0	Bare Fiber = 1 900um Loose Tube = 3 Special = 0	0.25m = 1 0.5m = 2 1.0m = 3 Special = 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC/PC = 7 Special = 0