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Terbium Gallium Garnet Based Multi Mode 850nm Optical Circulator

Product Description

The OC Series Terbium Gallium Garnet Based 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 patent pending magnetic optics technology and proven advanced 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.



Performance Specifications

TGG Based MM Isolator	Min	Typical	Max	Unit
Operation Wavelength	840	850	860	nm
Insertion Loss ^[1]		1.8	2	dB
Isolation	20	25		dB
Crosstalk (P1 to P3)	25			dB
Return Loss ^[2]	25	30		dB
Operating Temperature	10		50	°C
Storage Temperature	-10		60	°C
Fiber Type	50/125,62.5/125 Multimode			
Package Dimension	L76 x W34 x H33			mm

Note :

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

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

Features

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

Applications

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

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Ordering Information

OCST-	1 3	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Type	Wavelength	Grade	Package	Fiber Type		Fiber Length	Connector
		850nm=8	Standard=1 Special=0	Standard=1 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=7 Special=0

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.