

TECHNICAL DATASHEET

980-1080nm 50W/100W TGG High Power Faraday Rotator

Product family	Couplers & Polarization
Key selection	980-1080nm / 50W / 100W / TGG

Technical Specifications

Parameter	Unit	Specification
Center Wavelength	nm	1064,1030,980
Operating Wavelength Bandwidth	nm	±5
Maximum Loss	dB	1.0
Faraday Rotation Angle @ CWL	deg	45
Maximum Rotation Angle Tolerance @ CWL	deg	±2
Minimum Extinction Ratio @ 23°C (PM fiber)	dB	20
Maximum PDL @ 23°C (SM fiber)	dB	0.15
Maximum PMD	ps	0.05
Maximum Power	W	50, 100 orSpecified
Maximum Pulse Peak Power	kW	10 orSpecified
Package Dimensions	mm	76x38x35
Maximum Tensile Load	N	5
Axis Alignment	-	Both axes operating
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

Configuration Notes

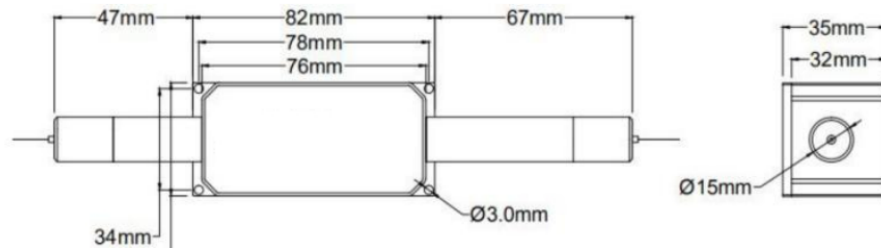
Available wavelength, optical power, fiber, connector, pigtail and package options depend on the selected product configuration. Please include the target application and quantity with your RFQ. Final ordering details are confirmed in the quotation.

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Package Dimensions

980-1080nm 50W/100W TGG High Power Faraday Rotator

Package reference: 76x38x35 / 58x28x26



Dimensions are shown in millimetres unless otherwise indicated. Final package, pigtail and connector configuration should be confirmed in the quotation.