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0203 PM Coupler



C3001-P

1x2 780 nm PM Filter Coupler, 50/50

The coupler offers very low insertion loss, high return loss and high extinction ratio. It can be used for fiber sensor, fiber optical instrument, EDFA & raman amplifier.

FEATURES

- Low Insertion Loss
- High Return Loss

High Extinction Ratio

USE IN

• EDFA & Raman Amplifier

- Fiber Sensor
- Fiber Optical Instrument

MECHANICAL DRAWING

Type $1x2$ Center Wavelength780 nmOperating Bandwidth Range ± 10 nmExcess Loss $0.8 dB max.$ Uniformity $0.6 dB$ Coupling Ratio $50/50$ Extinction RatioBoth Axis WorkingPower Handling20 dB min.Power Handling 500 mW max. Tensile Load $5 N max.$ Fiber Type $\ln \& Out$ PM Panda FiberOperating Temperature $-5^{\circ}C$ to $+70^{\circ}C$	³ ⁴ ^{5.5} mm ³ ⁵ ⁵ ⁵ ¹ ¹ ¹ ¹ ¹ ³ ³ ² ³ ³ ¹ ¹ ¹ ³ ³ ³ ³ ³ ³ ³ ³ ³ ³		3 3 5 5 5 5 5 5 5 5 5 5 5 5 5
Operating Bandwidth Range $\pm 10 \text{ nm}$ Excess Loss0.8 dB max.Uniformity0.6 dBCoupling Ratio50/50Extinction RatioBoth Axis WorkingPower Handling20 dB min.Power Handling50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & Out TapPM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C	Туре		1x2
Excess Loss0.8 dB max.Uniformity0.6 dBCoupling Ratio50/50Extinction RatioBoth Axis Working20 dB min.Fast Axis Blocked22 dB min.Return Loss50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & OutFiber TypeIn & OutOperating Temperature-5°C to +70°C	Center Wavelength		780 nm
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Operating Bandwidth Range		±10 nm
Coupling Ratio50/50Extinction RatioBoth Axis Working20 dB min.Fast Axis Blocked22 dB min.Return Loss50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & OutPM Panda FiberFiber TypeIn & OutPM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C	Excess Loss		0.8 dB max.
Extinction RatioBoth Axis Working20 dB min.Fast Axis Blocked22 dB min.Return Loss50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & Out TapPM Panda FiberOperating Temperature-5°C to +70°C	Uniformity		0.6 dB
Extinction RatioFast Axis Blocked22 dB min.Return Loss50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & Out TapPM Panda FiberOperating Temperature-5°C to +70°C	Coupling Ratio		50/50
Fast Axis Blocked22 dB min.Return Loss50 dB min.Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & Out TapPM Panda Fiber PM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C	Extinction Ratio	Both Axis Working	20 dB min.
Power Handling500 mW max.Tensile Load5 N max.Fiber TypeIn & OutFiber TypeIn & OutPM Panda FiberTapPM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C		Fast Axis Blocked	22 dB min.
Tensile Load5 N max.Fiber TypeIn & OutPM Panda FiberOperating Temperature-5°C to +70°C	Return Loss		50 dB min.
Fiber TypeIn & OutPM Panda FiberTapPM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C	Power Handling		500 mW max.
Fiber TypeTapPM Panda Fiber or 780-HP or SpecifiedOperating Temperature-5°C to +70°C	Tensile Load		5 N max.
Operating Temperature-5°C to +70°C	Fiber Type	In & Out	PM Panda Fiber
		Тар	PM Panda Fiber or 780-HP or Specified
	Operating Temperature		-5°C to +70°C
storage remperature -40 C to +85 C	Storage Temperature		-40°C to +85°C

* With connectors, IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower.

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales. 1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices. 2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

Product specifications and price are subject to change without notice. © 2023 WDMQuest. Mar 2023 Rev. 5.0

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