

980/1030nm Fused PM WDM Coupler for Pulse Power

FEATURES

- ▣ Low Excess Loss
- ▣ Variety Coupling Ratio
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

APPLICATIONS

- ▣ LAN WAN Systems
- ▣ Signal Monitoring
- ▣ Network Monitoring
- ▣ CATV
- ▣ Test Equipments



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1	nm	976±5, 980±5
Wavelength Range Channel 2	nm	1030±5, 1036±5
Insertion Loss	dB	≤1.0
Isolation	dB	≥13
Extinction Ratio	dB	≥17
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	PM980 Panda Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O) NA=0.075
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	∅3.0x ^L 70 for Bare Fiber
Stainless Steel Tube (SST)		∅3.0x ^L 76 for 900um Loose Tube
Metal Box		^L 120x ^W 12x ^H 10 for 2mm/3mm Cable

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD-NN	NN	- N	(C)	(C)	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Mode	Fiber(λ1)	Average Power	Peak Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type
97- 976nm	03- 1030nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	03-300mW	01-100W	M-Metal Box	E-PM1060L Fiber	B- Bare fiber	05-0.5m	N-Without Connector
98- 980nm	36- 1036nm	2- 2x2 Type	D- Demux	P- PM980 Fiber	1- 1W	1- 1kW	Blank for SSL Tube	O-10/125um PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
03- 1030nm	97- 976nm		Blank for Both	H-H11060 Fiber	5- 5W	5- 5kW		Blank for PM980 Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
36- 1036nm	98- 980nm			Blank for Same Fiber	10-10W	10-10kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector