HJ OPTRONICS

4055 Filan Way
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United States

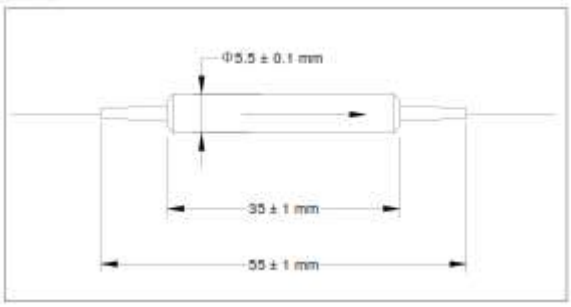
Polarization Maintaining Dense Wavelength Division Multiplexer

Model #: PDWDM
Description: Polarization Maintaining Dense Wavelength Division Multiplexer
Application: DWDM communication systems

Specifications:

Parameter	Unit	Specifications	
		200 GHz	100 GHz
Pass Band Central Wavelength		ITU Grid	
Min. 0.5 dB Bandwidth	nm	0.5 (0.7 Typ.)	0.16 (0.4 Typ.)
Max. Insertion Loss C → P	dB	1.0 (0.8 Typ.)	1.2 (1.0 Typ.)
Min. Channel Isolation C → P	dB	25 (30 Typ.)	
Reflection Band Max. Insertion Loss C → R	dB	0.5 (0.3 Typ.)	
Min. Channel Isolation C → R	dB	12 (15 Typ.)	
Max. Polarization Extinction Ratio	dB	22 (Typ.20)	
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Central Wavelength Stability	nm/°C	0.002	
Thermal Stability	dB/°C	0.005	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension	mm	5.5 (D) x 35 (L)	
Fiber Type		PM Panda fiber	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



Ordering Information:

Beam Combiner **PDWDM-A**-BB-C-D-E

A: channel spacing	BB: ITU grid	C: connector type	D: fiber jacket	E: fiber length
1 – 100 GHz		1 - FC/UPC	B - 250μm Panda fiber	1 – 1.0 m
2 - 200 GHz		2 - FC/APC	L - 900 μm loss tube	X - other
		3 - SC/UPC	X - other	
		4 - SC/APC		
		N - none		
		X - other		