



## 1545nm PM BP/Partial Mirror Hybrid

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

### SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Center Wavelength		nm	1545	
Min. Bandwidth@0.5dB		nm	3.0, 4.0, 10, 12	
Excess Loss		dB	≤1.3	≤1.5
Stop Band @25dB	3nm Bandwidth	nm	1510~1542 & 1548~1600	
	4nm Bandwidth		1510~1540 & 1550~1600	
	10nm Bandwidth		1510~1537 & 1553~1600	
	12nm Bandwidth		1510~1532 & 1558~1600	
Reflective Ratio		%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90	
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Blocked Wavelength Guide Out)	
Fiber Type at 3 <sup>rd</sup> Port (Only for Y Type)		-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	≥20
Fiber Type		-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. High ER type can only work in slow axis at pass port; Suggest to use Y type if blocked optical power is >1W.
  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.

### ORDERING INFORMATION (PN)

Center Wavelength	Bandwidth	Ref. Ratio	Type	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1545 =1545nm	30=3nm	01= 1%	R=High ER	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	40=4nm	05=5%	Blank for	S=Corr. SM Fiber	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	100=10nm	50=50%	Standard	5=50/125um Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	120=12nm	90=90%		Blank for D Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector