

1553nm BP/Partial Mirror Hybrid for Pulse Power

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	Value	
Center Wavelength	nm	1553	
Min. Bandwidth@0.5dB	nm	5.0	
Excess Loss	dB	≤1.3	
Stop Band @25dB	nm	1500~1548 & 1558-1610	
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 rd Port (Only for Y Type)	-	Same Fiber or 50/125um MM Fiber	
Optical Return Loss	dB	≥45	
PDL	dB	≤0.15	
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O)	
		12/130um DC Fiber (T) or 20/130um DC Fiber (Q)	
		25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)18x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)

- 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.
 3. Suggest to use Y type if blocked optical power is >1W.
 4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 5. 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	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1553 =1553nm	50=5nm	01= 1%	Y=Same Fiber	03=300mW	01=100W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
		05=5%	5=50/125um Fiber	1= 1W	1= 1kW	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		50=50%	Blank for D Type	5= 5W	5= 5kW	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		90=90%		10=10W	10=10kW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector