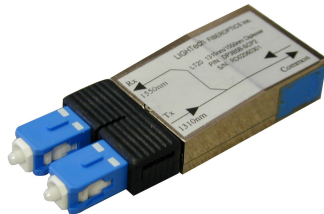
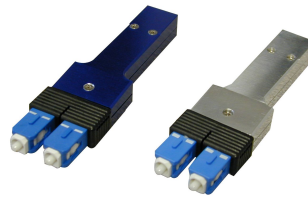


## Diplexer

The Diplexer is used to mux/demux 1310nm/1550nm broadband or narrowband wavelengths or to mux/demux CWDM onto a single fiber with combinations of low insertion loss, low crosstalk and low back reflection. Small housing dimension and built in adaptors make the Diplexer an excellent user friendly product for interconnecting optical systems and reduces fiber needs up to 50%. The Diplexer plugs directly into SFF transceivers and features patented reflective optics technology that delivers excellent performance and reliability from -40°C to 85°C.



SC Type D

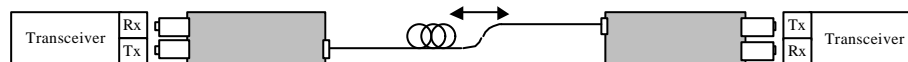


SC Type S



LC Type D

### Application



### Specifications

Item	Unit	Specifications	
		Typical	Maximum
Insertion Loss	dB	0.8	1.4
Crosstalk@1310nm (Tx to Rx) Forward	dB	-60	-55
Crosstalk@1550nm (Common to Tx) Forward	dB	-40	-35
PDL	dB	<0.1	<0.2
Back Reflection (UPC Polish)	dB	-55	-52
Operating Temperature	°C	-25 to +75	
Storage Temperature	°C	-40 to +85	
Polarization Mode Dispersion	mm	LC Connector: 8.5(H)×13(W)×32(L) SC Connector: 11.4(H)×25.4(W)×40(L)	

### Ordering Information

Example: DPB5B3B-LCU2

	Transmit wavelength   Receive wavelength		Code	Internal fiber
	Code	Wavelength		
Broadband	3B	1310 ± 30 nm	2	SMF-28 single mode <sup>(1)</sup>
	5B	1550 ± 30 nm	5	G.I. 50/125 multimode <sup>(2)</sup>
Narrowband	3N	1310 ± 5 nm	6	G.I. 62.5/125 multimode <sup>(2)</sup>
	5N	1550 ± 5 nm	S	Special <sup>(2)</sup>
CWDM	47	1471 ± 10 nm	LCA	LC/APC
	49	1491 ± 10 nm	LCP	LC/PC
	51	1511 ± 10 nm	LCU	LC/UPC
	53	1531 ± 10 nm	SCA	SC/APC
	55	1551 ± 10 nm	SCP	SC/PC
	59	1591 ± 10 nm	SCU	SC/UPC
	61	1611 ± 10 nm	SSS	Special
	Other	Contact Sales		

(1) Product standards

(2) Cause specification change