

Mini Size Dual Window Coupler (DWC)



Key Features

- Mini size
- Low excess loss
- Low PDL
- High stability and reliability
- Dual operating window

Applications

- Mini size EDFA
- Mini size transmitter/receiver module
- Optical communication systems
- Testing instruments

Compliance

- Telcordia GR1209
- Telcordia GR1221

Specifications

Parameter		Type				Mini Size Dual Window Coupler (DWC)			
Operating wavelength (nm)		1310 and 1550							
Operating bandwidth (nm)		±40							
Package size(Φ×L)mm		Φ3.0/Φ2.4×30				Φ2.4×25			
Grade		P		A		P		A	
Typical excess loss (dB)		0.10		0.15		0.15		0.25	
Insertion Loss (dB)	50/50	≤3.6		≤3.8		≤3.7		≤3.9	
	40/60	≤4.7/2.7		≤4.9/2.9		≤4.7/2.8		≤5.0/3.0	
	30/70	≤6.0/1.9		≤6.3/2.1		≤6.1/2.1		≤6.4/2.2	
	20/80	≤7.9/1.3		≤8.40/1.40		≤8.0/1.4		≤8.5/1.5	
	10/90	9.2~11.3/≤0.75		8.75~12.0/≤0.8		9.25~11.5/≤0.8		8.80~12.0/≤0.85	
	5/95	12.4~14./≤0.45		12.1~14.35/≤0.55		12.45~14.05/≤0.5		12.15~14.4/≤0.55	
	3/97	14.1~16.7/≤0.35		13.55~17.25/≤0.45		14.15~16.75/≤0.4		13.6~17.3/≤0.45	
	2/98	15.75~18.65/≤0.3		15.1~19.25/≤0.4		15.8~18.70/≤0.35		15.15~19.3/≤0.4	
	1/99	18.6~21.8/≤0.25		17.9~22.5/≤0.35		18.65~21.85/≤0.3		17.95~22.55/≤0.35	
PDL (dB)		≤0.15		≤0.20		≤0.15		≤0.20	
Directivity (dB)		≥50							
Operating temperature (°C)		-40 ~ +85							

*The above specification is without connector

**Other specifications can be made on customer request.



Package Information

Configuration	1×2 or 2×2	
Fiber lead length	1 meter, others on request	
Fiber type	250μm bare fiber	
Dimensions (Φ×L)	Φ3.0/Φ2.4×30	Φ2.4×25

*Other package dimensions can be made on customer request.

Ordering Information

DWC - X-XXX-XXXX-XX/XX-X-X-XXX-XXXX

