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Single Mode Broadband Coupler
(DL-SBC-T-U-VV-WW-X-Y-Z)

The Single Mode Broadband Coupler offers accurate coupling ratio from 50/50 to 1/99 and are available with very good uniformity in a wide wavelength range.It also has very low insertion loss,low polarization dependence and excellent environmental stability.It can be used to perform power splitting and mornitoring functions in all kinds of optical communication systems.

A. Specifications

Parameter	Value					Unit
Center Wavelength (λc)	1310 or 1550 or Specify					nm
Operating Wavelength	λc ± 40					nm
Coupling Ratio	01/99	02/98	03/97	05/95	10/90	%
Max. Insertion Loss	21.5/0.2	18.5/0.25	17.5/0.3	14.6/0.4	10.8/0.65	dB
Coupling Ratio	20/80	30/70	40/60	50/50		%
Max. Insertion Loss	7.5/1.2	5.6/1.8	4.4/2.5	3.4/3.4		dB
Max. PDL (Tap/Through Port)	0.10					dB
Thermal Stability	⩽ 0.002 over -5 °C to +70 °C					dB/℃
Min. Return Loss	50					dB
Directivity 1 × 2	55					dB
2 × 2	60					dB
Max. Optical Power (Continuous Wave)	300					mW
Operating Temperature	-5 to +70					℃
Storage Temperature	-40 to +85					℃

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

B. Ordering Information

DL-SBC-T-U-VV-WW-X-Y-Z

T: Package Dimensions
1 - 250 μm bare fiber, dia3.0 × 40 mm
2 - 900 μm loose tube, dia3.0 × 54 mm
3 - 3 mm cable, 90 × 16 × 9 mm

U: Configuration
1 - 1 × 2
2 - 2 × 2

VV: Wavelength
31 - 1310 nm
55 - 1550 nm
SS - Specify

WW: Coupling Ratio
01 - 01/99
02 - 02/98
03 - 03/97
05 - 05/95
10 - 10/90
20 - 20/80
30 - 30/70
40 - 40/60
50 - 50/50
SS - Specify

X: Connetor Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

Y: Fiber Type (SMF-28)
B - 250 μm bare fiber
L - 900 μm loose tube
C - 3 mm cable
S - Specify

Z: Fiber Length
1 - 1 m
S - Specify