

Single Mode Two Window Broadband Coupler TWBC

Model #: TWBC

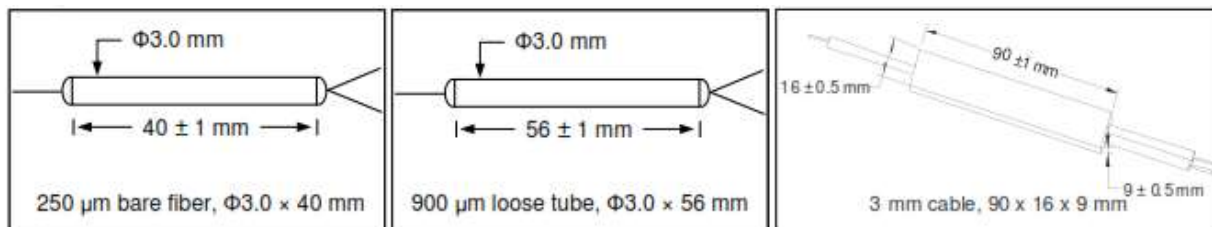
Description: Single mode two window broadband coupler TWBC

Application: CATV, LAN and other communication systems

Specifications:

Parameter	Unit	Specifications			
Central Wavelength	nm	1310 and 1550			
Operating Wavelength	nm	$\lambda_c \pm 40$			
Coupling Ratio	%	1/99	2/98	5/95	10/90
Max. Insertion Loss	dB	22.5/0.3	19/0.35	14.8/0.4	11.3/0.75
Coupling Ratio	dB	20/80	30/70	40/60	50/50
Max. Insertion Loss	dB	7.9/1.5	6.0/2.0	4.6/2.7	3.6/3.6
Max. Polarization Dependent Loss	dB	0.1			
Thermal Stability	dB/°C	0.002			
Min. Return Loss	dB	50			
Min. Directivity	dB	55 (1x2) or 60 (2x2)			
Max. Optical Power (CW))	mW	300			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			
Dimension	mm	250 μ m bare fiber, Φ 3.0 \times 45 mm 900 μ m loose tube, Φ 3.0 \times 56 mm 3 mm cable, 90 \times 16 \times 9 mm			
Fiber Type (Common and Signal Port)		SMF-28 fiber			

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



Ordering Information: TWBC-A-BB-CC-D-E-F

A: configuration	BB: wavelength	CC: coupling ratio	D: connector type	E: fiber jacket	F: fiber length
1 – 1 x 2	3155 – 1310 & 1550	01 – 1/99	1 - FC/UPC	B – 250 μ m bare fiber	1 – 1.0 m
2 – 2 x 2	XX - other	02 – 2/98	2 - FC/APC	L - 900 μ m loss tube	X - other
		05 – 5/95	3 - SC/UPC	C – 3 mm cable	
		10 – 10/90	4 - SC/APC	X - other	
		20 – 20/80	N - none		
		30 – 30/70	X - other		
		40 – 40/60			
		50 - 50/50			
		XX - other			