

Single Mode Dual Window Broadband Tree Coupler Module DWTC

Model #: DWTC

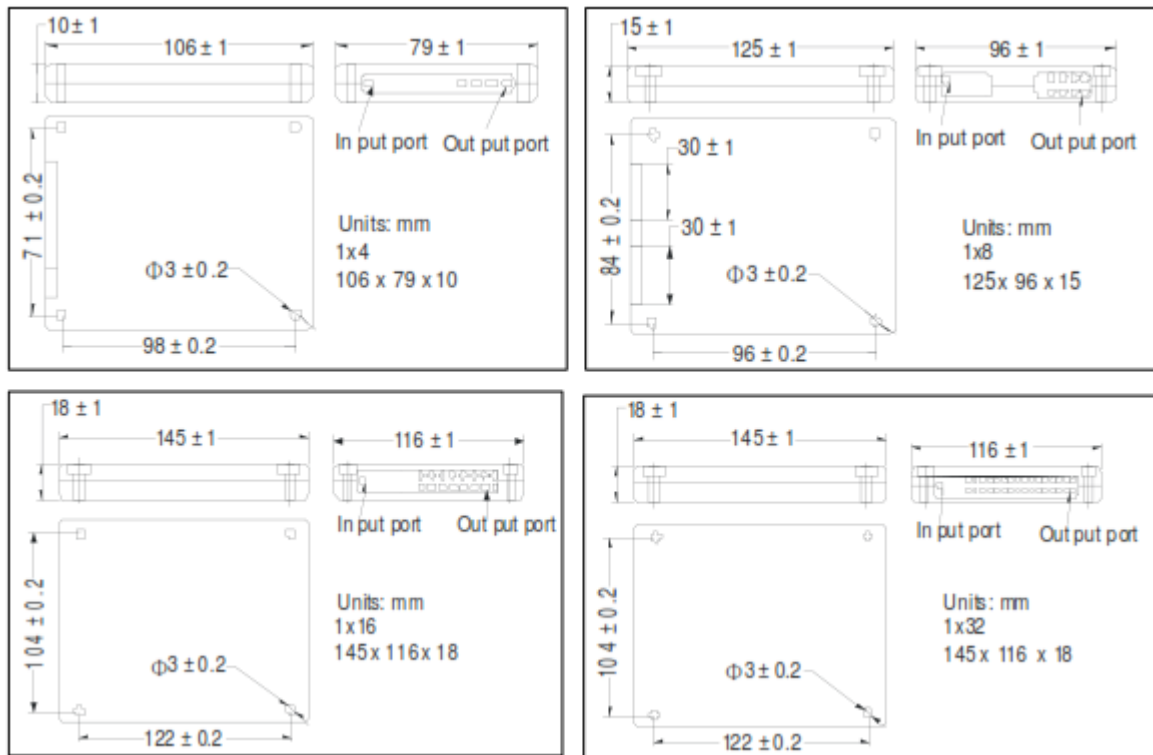
Description: Single mode dual window broadband tree coupler DWTC - 1 x N or 2 x N

Application: CATV, LAN and other communication systems

Specifications:

Parameter	Unit	Specifications			
Output Port		4	8	16	32
Central Wavelength	nm	1310 and 1550			
Operating Wavelength	nm	$\lambda_c \pm 40$			
Max. Insertion Loss	dB	7.0	10.7	14.5	17.8
Max. Polarization Dependent Loss	dB	0.2	0.3	0.4	0.5
Max. Uniformity	dB	1.6	2.4	3.2	4.0
Thermal Stability	dB	0.2	0.3	0.4	0.5
Min. Return Loss	dB	50			
Min. Directivity	dB	60			
Max. Optical Power (CW))	mW	300			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	A type - 4 output ports: 106 x 79 x 10 B: type - 8 output ports: 125 x 96 x 15 C type - 16 or 32 output ports: 145 x 116 x 18			
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:

Single Stage: DWTC-AAAA-BB-CC-D-E-F-G

AAAA: configuration	BB: wavelength	C: coupling ratio	D: package dimension	E: connector type	D: fiber jacket	E: fiber length
0104 – 1 x 4	31 – 1310	BA – balance	A – A type	1 - FC/UPC	L - 900 μ m loss tube	H – 0.5 m
0204 – 2 x 4	55 - 1550	01 – 1% tap/balance	B - B type	2 - FC/APC	C – 3 mm cable	X - other
0108 – 1 x 8	XX - other	05 – 5% tap/balance	C - C type	3 - SC/UPC		
0208 – 2 x 8		Xx - other	X - other	4 - SC/APC		
0116 – 1 x 16				N - none		
0216 – 2 x 16				X - other		
0132 – 1 x 32						
0231 – 2 x 32						