

Tree and Star Wide Band Coupler Module

Features	
Low excess loss & low IL & Low PDL	
High stability and reliability	
Application	
Optical communication systems	
FTTH	
CATV	
LAN Network	

Specification

Parameter		N×4 N=1, 2	N×6 N=1,2	N×8 N=1, 2	N×12 N=1,2	N×16 N=1, 2	N×24 N=1, 2	N×32 N=1, 2
Operating wavelength (nm)		1310 or 1550,						
Operating bandwidth (nm)		±40						
Insertion loss(dB)	P grade	≤6.9	≤9.0	≤10.4	≤12.4	≤13.8	≤15.8	≤17.4
	A grade	≤7.3	≤9.6	≤11.0	≤13.2	≤14.6	≤16.8	≤18.4
Typical excess loss (dB)		0.25	0.3	0.4	0.5	0.55	0.6	0.7
PDL (dB)		≤0.25	≤0.35	≤0.35	≤0.45	≤0.45	≤0.55	≤0.55
Operating temperature (℃)		-20 ~ +70						
Pigtail length		1 meter, others on request						
Fiber type		900μm, 2mm, 3mm loose tube						
Dimensions (L×W×H) (mm)	ABS Box	100×80×10			125×96×16		141×115×18	
		1U LGX (130×127×29)			19" 1U box (482.6×278×44)			
		2U LGX (130×127×58)			19" 2U box(482.6×278×88)			

Ordering Information

CP	Wavelength	Grade	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	S = Single mode standard coupler	P A	488	1/99	250=250μm	1=SMF-28e	1= 1m	NE=None	3x54
			532	2/98	bare fiber	2=50/125	X:other	FA=FC/APC	3x40
	W =Wide band coupler		650	3/97	900=900μm	3=62.5/12.5		FC=FC/UPC	
			780		loose tube	4=HI1060FL		SA=SC/APC	
	D =Dual window coupler		850	50/50	2000=2mm	EX		SC=SC/UPC	
			980		loose tube	5=Panda		LC=LC/UPC	
	T =Three Window coupler		1064		3000=3mm	fiber		LA=LC/APC	
			1310		loose tube	6=RC fiber		MU=MU/UPC	
	M =Multimode fiber Coupler		1550			7=Others		C	
			1310/1550					XX=Other	
	PS =PM fused coupler		1260~1620						
			XX: Other						