

Multimode Pump Combiner (Nx1)

ACP's Pump Combiners are typically needed in EDFA and Raman amplifier, offer exceptional performance and reliability at very affordable prices. They feature extremely low Insertion Loss and high Channel Isolation.

All AC Photonics' products are Telcordia qualification tested.

FEATURES

APPLICATION

PERFORMANCE SPECIFICATIONS

Parameter	Specifications				
	3x1	4x1	4x1	7x1	8x1
Port Configuration	3x1	4x1	4x1	7x1	8x1
Pump Wavelength	800 - 1000nm				
Pump Efficiency	≥ 90%	≥ 85%	≥ 87%	≥ 90%	≥ 80%
Pump Return Loss	≥ 35dB	≥ 35dB	≥ 35dB	≥ 35dB	≥ 35dB
Power per Input Fiber	≤ 10W	≤ 10W	≤ 10W	≤ 10W	≤ 10W
Pump Input Fiber	105/125um, NA=0.22	SMF-28e	62.5/125um	105/12um, NA=0.15	62.5/125um
Output Fiber	200/220um, NA=0.22	62.5/125um	125um, NA=0.46	200/220um, NA=0.22	200/220um, NA=0.22
Operating Temperature	0 to +70°C				
Storage Temperature	- 40 to +85°C				
Package Dimensions (LxWxH)	A=Ø4.0x60 B=50x5.0x5.0 C=70x13x8.0				

All values referenced are without connector.

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MECHANICAL DIMENSIONS

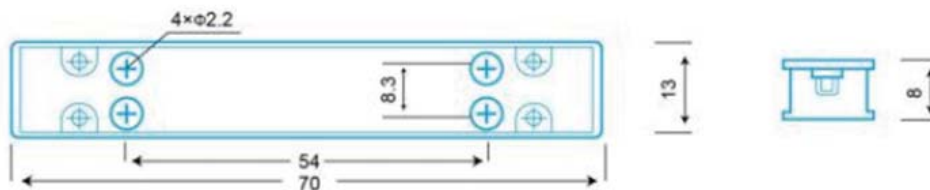
A package:



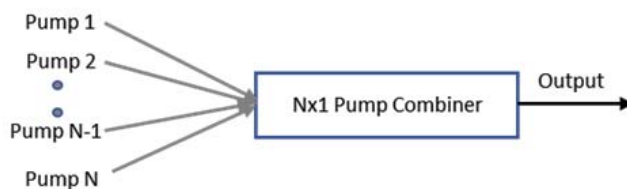
B package:



C package:



PORT CONFIGURATIONS



ORDERING INFORMATION

PWC	Pump Handling	Pump Wavelength	Port	Package	Pump Port Fiber Type*	Output Port Fiber Type	Pigtail Style	Fiber Length
05	5W	80=800nm	301=3X1	A= A package	2=SMF-28 Ultra (G.657.A1)	B=62.5/125	1=Bare fiber	05=0.5m
10	10W	.	401=4X1	B=B Package		C3=200/220 (NA=0.22)	2=900um loose tube	10=1.0m
.	.	.	701=7X1	C=C Package	3=ClearCurve ZBL(G.657.B3)	C5=125 Clad (NA=0.46), W/O Core		.
.	.	94=940nm	801=8X1		B=62.5/125			.
		95=955nm			C1=105/125 (NA=0.22)			20=2.0m
		.			C2=105/125 (NA=0.15)			

* 1=SMF-28(G.652) is available upon request.