

## (2+1) x 1 Multimode Pump & Signal Combiner

Model #: MMPC

Description: (2+1) x 1 Multimode Pump & Signal Combiner, Pump Combiner with Signal Feedthrough

Application: Fiber amplifier, fiber laser, CATV amplifier

Features: High Coupling Efficiency, High Signal Transfer Efficiency, Wide Wavelength Range,  
 Proprietary Pull and Package Technique, Custom Configurations Available

Specifications:

Parameter	Unit	Specifications
Product Configuration		(2 + 1) x 1
Pump Wavelength Range	nm	900 - 1000
Signal Wavelength	nm	1060 or 1550
Pump Channel Input Fiber	μm	105/125 (0.15 or 0.22 NA)
Signal Channel Input Fiber	μm	10/125 DCF, 20/130 DCF,
Output Fiber	μm	10/125 DCF, 20/130 DCF
Max. Signal Channel Insertion Loss	dB	0.5
Typ. Pump Efficiency	%	94
Min. Pump Efficiency	%	92
Power Handling	W	2 x 25
Package Dimension	mm	70 (L) x 12 (W) x 8 (H)
Operating Temperature	°C	-5 to +65
Storage Temperature	°C	-40 to + 85

Note: Mode number summation of all input fibers should be less than that of output fiber

### Package Dimensions



### Ordering Information: MMPC-(2+1)x1-AA-BBB-CC-DD-EE-FF

AA: wavelength	BBB: pump wavelength	CC: pump input fiber	DD: signal input fiber	EE: output fiber	FF: fiber length
06 – 1060 nm	915 – 915 nm	15 – 105/125 (0.15 NA)	10 – 10/125 DCF, NA = 0.08/0.46	10 – 10/125 DCF, NA = 0.14/0.46	08 – 0.8 m
55 – 1550 nm	975 – 975 nm	22 – 105/125 (0.22 NA)	20 – 20/125 DCF, NA = 0.08/0.46	20 – 20/125 DCF, NA = 0.08/0.46	12 – 1.2 m
XX - other	XXX - other		XX - other	XX - other	X - other