

Fiber PM Pump Combiner

(Patent Pending)

Product Description

Agiltron's PM Pump Combiners has robust structure and environmental stability. It features high pump efficiency, low excess loss and high power handling capacity as well as the maximum brightness conservation. These combiners are ideal for combining the power from several multimode laser diodes and delivery the power at one PM output fiber. These combiners can be widely used in high power fiber laser and direct diode laser which have application in material process, medical, military and telecommunications. Agiltron's PM Combiners can be designed to meet a wide range of power handling configurations, number of input fibers and adaptation to different fiber types.

Specifications

Pump Combiner Type	Pump Wavelength (nm)	signal wavelength (nm)	Input Fiber	Signal fiber	Output Fiber	Pump Coupling Loss(dB)	Signal Coupling Loss(dB)	Return Loss (dB)	PER (dB)
(6+1)x1 PM	800-1000	1040-1080	105/125, 0.22	PM 10/125, 0.08/0.46	PM 20/400, 0.06/0.46	0.4	0.5	45.0	20.0

Features

- High coupling efficiency
- Low excess loss
- High brightness
- Low Cost
- Robust package

Applications

- Fiber laser
- Direct diode laser
- High power EDFA
- Raman laser