

Nx1 Pump Combiner

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Product Overview

Pump combiner for high-power fiber lasers and fiber amplifiers. Standard catalog configurations include 3x1 and 7x1 with custom output fiber and package options.

Features	Applications
High transmission efficiency; High stability and reliability; Custom configuration available	High-power fiber lasers; Fiber amplifiers

Technical Specifications

For configuration selection and quotation, use the Component Finder at www.kernsoptic.com/contacts. Final special configurations are subject to engineering review.

Parameter	Unit	3x1	7x1
Pump Wavelength	nm	800-1000	800-1000
Pump Input Fiber	-	105/125 0.22NA	105/125 0.22NA or 200/220 0.22NA
Output Fiber	-	Y/125 or 200/220	200/220 or Y/250 or 20/400
Pump Efficiency	%	>95	>95
Max. Power / Single Pump	W	200	200

Shared Specifications

Parameter	Specification	Unit
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

Package Dimensions

Package	Dimensions
D1	dia. 4.0 x 60 mm
D2	50 x 5 x 5 mm
D3	70 x 12 x 8 mm
D4	75 x 12 x 8 mm
D5	80 x 12 x 10 mm
D6	100 x 15 x 10 mm
D7	100 x 28 x 12.6 mm - HP
Custom	Engineering review

The master catalog specifies multiple standard mechanical packages rather than one fixed package drawing.