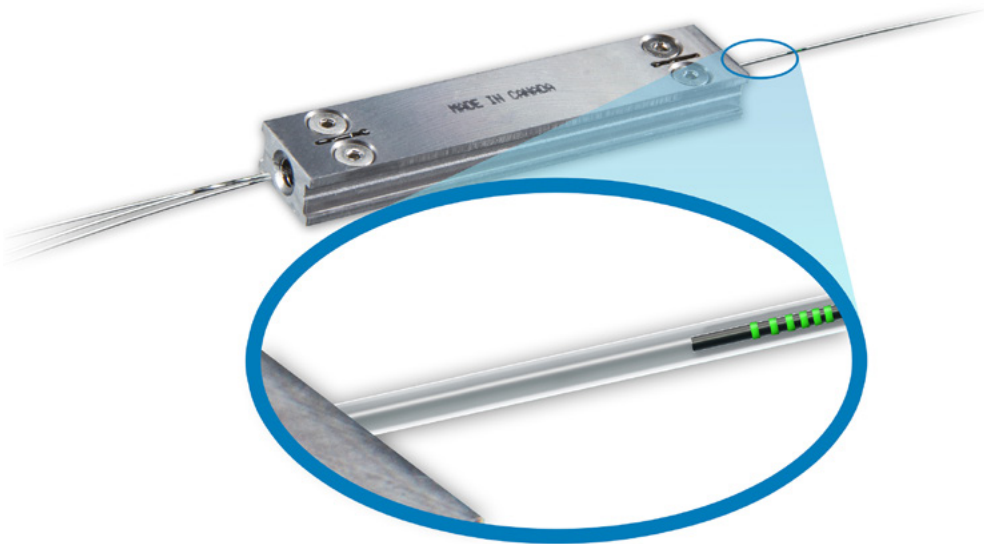


## To Splice or Not to splice... (N+1)xHR Integrated Solutions

For Co-Pumped Laser Designs

ITF Technologies' Integrated Solutions provide a very efficient option for fiber laser manufacturing. They combine our efficient pump combiners with our high performance FBG High Reflector without any splice between the two. The Integrated Solution improves reliability and can decrease your integration time by removing the need to do the critical splice between the combiner and the FBG Mirror.

This combined solution will streamline the choice of components and will group them under the same product code number. The specification of the Central Wavelength of the HR and OC are tightened so that FBG pairs are always matching. This reduces the component management complexity during assembly.



### KEY FEATURES

High Power Transfer Efficiency

Wavelength Insensitive

Custom Configurations Available

ROHS Compliant

### APPLICATIONS

Fiber Lasers

Fiber Laser Combination

kW Class Fiber Lasers

Industrial & Research

### FOR MORE INFO

Please contact us at:

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**888.922.1044**

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or via e-mail at: **info@itftechnologies**

**(N + 1)xHR**  
Integrated Solutions

**FOR OPTIMUM CO-PUMPED LASER DESIGNS**

**(N + 1)xHR**

PRODUCT CODE	CONFIGURATION	PUMP FIBER	SIGNAL FIBER	OUTPUT FIBER	POWER HANDLING (PUMPS)	POWER HANDLING (SIGNAL)
TFBG410C9117	7x1 + HR	106.5/125 0.22	n/a	20/400 um NA=0.06/0.46	200 W/port	1400 W
TFBG410C9118	7x1 + HR	200/220 um NA=0.22	n/a	20/400 um NA=0.06/0.46	200 W/port	1400 W
TFBG410C9119	7x1 + HR	220/242 um NA=0.22	n/a	20/400 um NA=0.06/0.46	200 W/port	1400 W
TFBG410C8989	(6+1)x1 + HR	106.5/125 0.22	10/125 um NA=0.08/0.46	20/400 um NA=0.06/0.46	150 W/port	900 W
√	(6+1)x1 + HR	200/220 0.22	10/125 um NA=0.08/0.46	20/400 um NA=0.06/0.46	200 W/port	1400 W
√	(6+1)x1 + HR	220/242 0.22	10/125 um NA=0.08/0.46	20/400 um NA=0.06/0.46	200 W/port	1400 W
TFBG410C8976	(6+1)x1 + HR	200/220 0.22	20/400 um NA=0.06/0.46	20/400 um NA=0.06/0.46	100 W/port	600 W
√	(6+1)x1 + HR	220/242 0.22	20/400 um NA=0.06/0.46	20/400 um NA=0.06/0.46	100 W/port	600 W

√: Product available - product code not yet defined

**ORDERING INFO**

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Customizable length between combiner and HR  
Additional fiber configurations available

Typical power handling presented  
**Custom designs and prototypes also available**