

For current pricing, please see our website.

RGB Combiner: 488, 535, and 640 nm

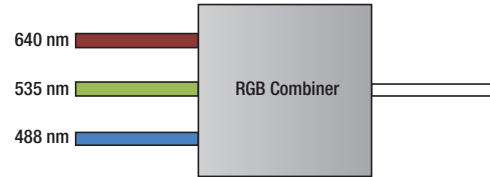
NEW
product

Other Wavelength Combinations Available



Features

- Combine 488 nm, 535 nm, and 640 nm Light
- Three FC/PC Input Bulkhead Connectors with 2.2 mm Wide Keys
- 1 m of Single Mode Fiber Output with FC/PC Connector and 2 mm Narrow Key



The RGB1-FC combines three fiber inputs into one output beam. The combiner has FC/PC inputs for red (640 ± 5 nm), green (535 ± 5 nm), and blue (488 ± 5 nm) lasers and couples the combined output into a Ø3 mm jacketed single mode fiber. RGB combiners are used often to illuminate multiple fluorophores in confocal microscopy.

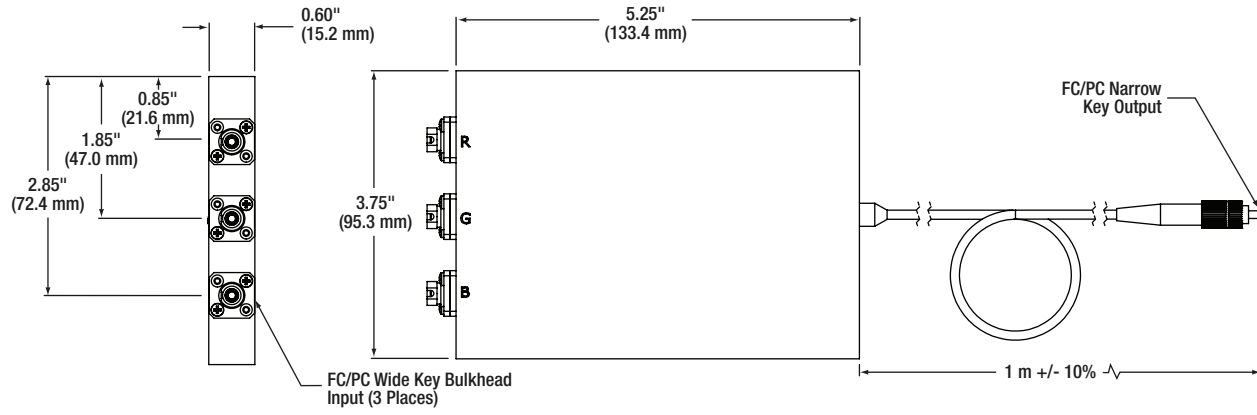
For other connector options, please contact your local Thorlabs Technical Support team. Other wavelength options are available on our website. Search on "Visible WDM."

SPECIFICATIONS	
Input Wavelengths	488 nm, 535 nm, and 640 nm
Bandwidth	±5 nm (at each input wavelength)
Insertion Loss (Max)*	3.6 dB
Max PDL	<0.2 dB
Damage Threshold*	500 mW (CW)
Operating Temperature	0 to 60 °C
Storage Temperature	-40 to 85 °C
Output Fiber Type	460HP
Output Fiber Length	1 m ± 10%
Output Fiber Connector	FC/PC, 2.0 mm Narrow Key
Fiber Inputs	FC/PC, 2.2 mm Wide Key

Fiber Specifications (See Page 1020 for More Information)

FIBER TYPE	MODE FIELD DIAMETER	CLADDING	COATING	CUTOFF WAVELENGTH
460HP	3.5 ± 0.5 μm (@ 515 nm)	Ø125 ± 1.5 μm	Ø245 ± 15 μm	430 ± 20 nm

* For each leg.



Have you seen our...
 Pigtailed Laser Diodes

 See page 1252

ITEM #	\$	£	€	RMB	DESCRIPTION
RGB1-FC	\$ 2,500.00	£ 1,800.00	€ 2,175.00	¥ 19,925.00	3-Channel (RGB) Visible Laser Combiner