

Red, Green and Blue Wavelength Band Combiner

Model #: RGBC

Description: Red, Green and Blue Wavelength Band Combiner

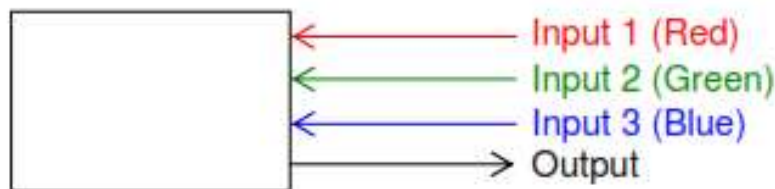
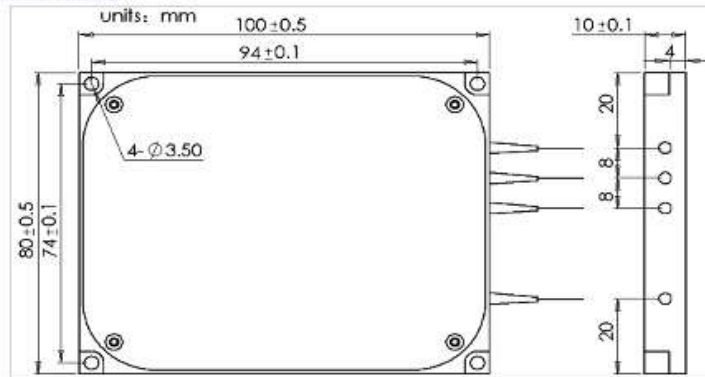
Application: Confocal Microscopy to illuminate multiple fluorophores

Specifications:

Parameter	Unit	Specifications*
Central Wavelength (λ_c)	nm	488/532/638 or specify
Operating Wavelength Range	nm	$\lambda_c \pm 2$
Max. Insertion Loss (R, G, B input to output port)	dB	1.0
Max. Thermal Stability	dB/°C	0.005 over -5 ~ 70 °C
Max. Polarization Dependent Loss	dB	0.3
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Optical Power (CW)	mW	500
Fiber Type		Nufern HP460
Package Dimension	mm	100 x 80 x 10
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 85

* IL may be 0.5 dB higher, RL 5 dB lower for each connector added.

Package Dimensions



Ordering Information:

RGBC-A-BB-C-D

A: wavelength	BB: connector type	C: fiber jacket	D: fiber length
1 – 638, 532, 488 nm	1 - FC/UPC	B - 250 μ m bare fiber	H - 0.5
XX - other	2 - FC/APC	L - 900 μ m loss tube	1 – 1.0
	3 - SC/UPC	X - other	X-other
	4 - SC/APC		
	X - other		