

## Polarization Maintaining Red, Green and Blue Wavelength Band Combiner

Model #: PMRGBC

Description: Polarization Maintaining Red, Green and Blue Wavelength Band Combiner

Application: Confocal Microscopy to illuminate multiple fluorophores

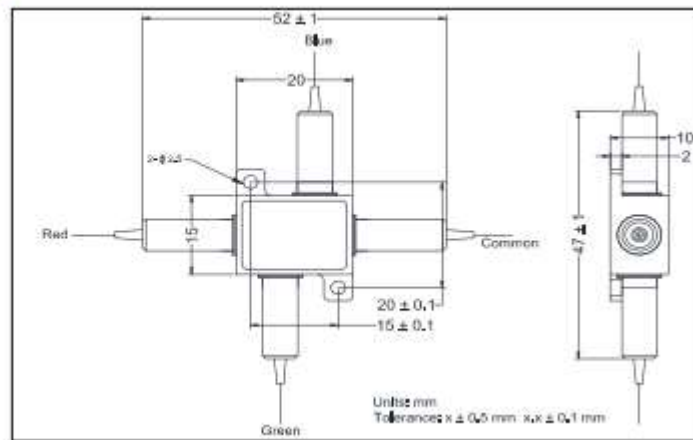
Specifications:

Parameter	Unit	Specifications*
Central Wavelength ( $\lambda_c$ )	nm	488/532/633 or specify
Max. Insertion Loss (R, G, B input to output port)	dB	4.0 (R-C); 3.5 (G-C, B-C)
Min. Polarization Extinction Ratio	dB	16 (R-C, G-C); 17 (B-C)
Fiber Type		PM 460 (G, B, C ports); PM 630 (R port)
Max. Power Handling	mW	100
Operating Temperature	°C	25 ~ 45
Storage Temperature	°C	0 to + 75

\* IL may be 1.5 dB higher, RL 5 dB lower, ER ratio 2 dB lower for each connector added. Keying to slow axis.

\* The optical power handling capacity is 50 mW max. if connectors are added

### Package Dimensions



### Ordering Information:

**PMRGBC-A-B-C-D**

A: wavelength	B: connector type	C: fiber jacket	D: fiber length
1 – red pass /blue & green reflect	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	Q - 0.75
	2 - FC/APC	L - 900 $\mu$ m loss tube	X-other
	3 - SC/UPC	X - other	
	4 - SC/APC		
	N – no connector		
	X - other		