

VISIBLE WAVELENGTH (RED, GREEN, BLUE, VIOLET) COMBINER

Gould's Fused fiber Wavelength Combiners are made of single mode or polarization maintaining (PM) optical fibers enabling MUX/DEMUX function for any two, three or four wavelengths in the red, green, blue and violet (RGB/RGBV)spectrum. Visible wavelength combiners feature high power handling, low loss and low back reflection.

Visible Wavelength (Red, Green, Blue) Combiner - Two Wavelength Combiner Specifications		
Operating Wavelengths (nm)	Red	633, 640, 650, 670
	Green	515, 532
	Blue	457, 488
Channel Transmission (%)	Minimum	90
	Typical	95
Fiber Type	Nufern 460-HP	
Package (Exclude boot lengths) (mm)	Ø2.9 X 66 L	
Operating Temperature (°C)	0 TO +60	
Storage Temperature (°C)	-40 to +85	

Product #:

4	0	-	1	6	2			-			-		1	3	0			
Shorter Wavelength		Longer Wavelength		Port Configuration		Lead Length												
53	532nm	67	670nm	1	1x2	1	1 m											
46	457nm	63	633nm	2	2x2	2	1.5 m											
		53	532nm				3	2 m										
								etc.										

Features

- Low Optical Loss
- High Isolation
- 2, 3 or 4 Color Combining
- High Power Handling

Applications

- Display Systems
- Sensors
- Biomedical Equipment
- Laser Spectroscopy and Fluorescence Microscopy

Visible Wavelength (Red, Green, Blue) Combiner - Three Wavelength Combiner Specifications		
Operating Wavelengths ¹ (nm)	Red	633, 640, 650, 670
	Green	515, 532, 561 ²
	Blue	457, 488
Channel Transmission (%) (w/o connector)	Minimum	80
	Typical	85
Fiber Type	Nufern 460-HP	
Package Style	35 or 36	
Operating Temperature °C	0 TO +60	
Storage Temperature °C	-40 TO +85	

1. Other wavelengths available. Call for details.

2. Customer may have to supply source.

Product #:

4	1	-	1	6	2			-		0	-								
Red Wavelength		Green Wavelength		Ports		Package Style**#		Connector Style		Lead Length									
3	633nm	1	515nm	3	3x1	35	0	none	1	1 m									
4	640nm	3	532nm			36	3	FC	2	1.5 m									
5	650nm	6	561nm	Blue Wavelength			6	FC/APC	3	2 m									
7	670nm			5	457nm				etc.										
				8	488nm														

distributed by



Ohmstrasse 4
85716 Unterschleissheim
www.imm-photonics.de

Tel.: +49 89 3214120
Fax.: +49 89 32141211
sales@imm-photonics.de

Specifications are based on non-connectorized products. For connectorized specifications, please call sales for details. Custom optical & mechanical configurations are available upon request.

RGBV COMBINER

VISIBLE WAVELENGTH (RED, GREEN, BLUE, VIOLET) COMBINER



Built using PM fiber and standard singlemode fiber.

Visible Wavelength (Red, Green, Blue, Violet) Combiner - Four Wavelength Combiner Specifications		
Operating Wavelengths ¹ (nm)	Red	633, 640
	Green	561 ²
	Blue	488
	Violet	405
Channel Transmission (%) (w/o connector)	Minimum	70
	Typical	80
Fiber Type	Nufern 405-HP	
Package	module boxes 41, 42, &43	
Operating Temperature °C	0 TO +60	
Storage Temperature °C	-40 TO +85	

1. Other wavelengths available. Call for details.
2. Customer may have to supply source.

Product #:

4	1	-	1	5	6		6	-		0	-					
Red Wavelength		Green Wavelength		Blue Wavelength		Ports		Package Style**		Connector Style		Lead Length				
3	633nm	6	561nm	5	457nm	4	4x1	41	0	none	1	1 m				
4	640nm			8	488nm			42	3	FC	2	1.5 m				
								43	6	FC/APC	3	2 m				
												etc				

Specifications are based on non-connectorized products. For connectorized specifications, please call sales for details. Custom optical & mechanical configurations are available upon request.