

High Power FBG

The High Power Fiber Bragg Grating reflector (also known as fiber laser cavity mirror) uses optimized fiber Bragg grating (FBG) writing technology to write in special double clad fibers. They are specifically designed for high-power continuous and pulsed fiber lasers, suitable for single mode fibers to large mode field (LMA) fibers, with a pump power processing capacity of up to 2000W. Our company can provide high reflectivity and low reflectivity FBG with various bandwidths and precise matching for different applications.

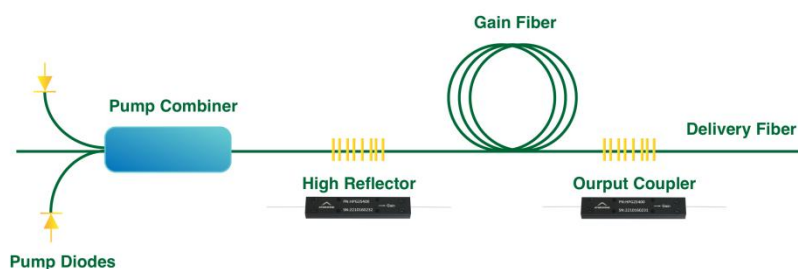
Key Features

- Low thermal effect
- High conversion efficiency
- Precise wavelength matching
- High pump power operation
- Customized packaging option



Applications

- High Power Fiber Laser
- Pulsed Fiber Laser



Specifications

Parameter	Unit	Value	
Center Wavelength	nm	1060 to 1080	
Wavelength Tolerance	nm	±1	
Reflector Type	-	HR	OC
Bandwidth	nm	0.5 to 5.0 at more than 95%	0.2 to 3.0 at around 50 %
Reflectivity	%	≥99.5	6 to 50
Wavelength Mismatch	nm	≅ 0.2	
Packaging Size	mm	Recoated or Heat Dissipation Package 65x12x6.5	
Pigtail	m	1-1.5	
Fiber Type	--	Double clad or customize	
Fiber Cor/Cladding	10/125 μ m	w	400
Max. Power Handling	25/250 μ m	w	1000
	25/400 μ m	w	2000