

### Features

- Surge, static, and reverse polarity protection
- Variety of : Wavelengths  
Beam configurations  
Fan angles for line generation
- Anodization aircraft aluminum
- All units aimed to within a 1/4 degree of the mechanical axis

### Specifications

Voltage Required	5.0VDC (regulated)
Mechanical Axis Alignment to Optic Axis	1/4 degree (1/2 angle)
Line Width (Line Generators)	1mm (nominal)
Emissions Indicator	Green LED
Case	@ Neutral Potential
Internal Electronics	Static, Surge and Reverse Polarity Protected
Wire Leads	7in. Long, (+)red, (-)black
Storage Temperature	-40°C to +80°C
Warranty	Limited 2 Year

All units CDRH certified except for class IIIb laser products.

	Part Number	Beam size @ Aperture	Wavelength	1/2 Angle Beam Divergence (mrad)	Operating Current Typical/Maximum (mA)	Output Power (mW)	CDRH Class	Module Length (in/mm)
<b>Elliptical Beams</b>	FAX-RS3-10	5.0mm x 1.2mm	635nm	0.67/0.17	55/85	0.97	II	1.06/26.9
	FAX-RS3-50		635nm		60/90	4.2	IIIa	
	FAX-RS3-80		635nm		70/100	8.2	IIIb	
	FAX-RS3-H0		635nm		80/110	12.4	IIIb	
	FAX-RS3-30		635nm		100/150	27.5	IIIb	
	FAX-RS5-10		650nm		35/65	0.97	II	
	FAX-RS5-50		650nm		40/70	4.2	IIIa	
	FAX-RS5-30		650nm		80/130	27.5	IIIb	
	FAX-RS7-10		670nm		35/70	0.97	II	
	FAX-RS7-50		670nm		40/70	4.2	IIIa	
	FIX-RS8-10		780nm		35/60	0.97	IIIb	
	FIX-RS8-50		780nm		35/60	4.2	IIIb	
	FIX-RS3-30	830nm	60/110	27.5	IIIb			
	FAX-RS3-5G	6.1mm x 1.2mm	635nm	0.47/0.12	60/90	4.2	IIIa	1.19/30.2
	FAX-RS3-1G		635nm		55/85	0.97	II	
	FAX-RS3-8G		635nm		70/100	8.2	IIIb	
	FAX-RS3-HG		635nm		80/110	12.2	IIIb	
	FAX-RS3-3G		635nm		100/150	27.5	IIIb	
	FAX-RS5-1G		650nm		35/70	0.97	II	
	FAX-RS5-5G		650nm		40/70	4.2	IIIa	
FAX-RS5-3G	650nm		80/130		27.5	IIIb		
FAX-RS7-1G	670nm		35/70		0.97	II		
FAX-RS7-5G	670nm		40/70		4.2	IIIa		
FIX-RS8-1G	780nm		35/60		0.97	IIIb		
FIX-RS8-5G	780nm		35/60		4.2	IIIb		
FIX-RS3-3G	830nm	60/110	27.5	IIIb				
<b>Round Beams</b>	FAX-RS3-1R	3.0mm	635nm	0.25	60/90	0.97	II	1.66/42.2
	FAX-RS3-8R		635nm		70/100	2.1	IIIa	
	FAX-RS3-HR		635nm		80/110	3.1	IIIa	
	FAX-RS3-3R		635nm		100/150	6.1	IIIb	
	FAX-RS5-1R		650nm		40/70	0.97	II	
	FAX-RS5-3R		650nm		80/130	6.1	IIIb	
	FAX-RS7-1R		670nm		40/70	0.97	II	
	FIX-RS8-1R		780nm		35/60	0.97	IIIb	
	FIX-RS3-3R		830nm		60/110	6.1	IIIb	

The "X" may be replaced with either a "5" to = .500 inch diameter or "Y" to = .580 inch diameter.  
Options : Scratch resistant sapphire window.