

## FCM Collimators for High NA Fibers

高NAファイバー用コリメーター (FCM)

### Features

- Optimal performance using NA Aspheric Lenses
- High NA suited for High NA Polymer Optical Fibers (POF)
- Reciprocal SMA, FC or fiber connection
- Compact

### Applications

- Spot illumination
- Component test and inspection
- Can be used in reverse direction as a free-space to fiber coupler

### Specifications:

**FCM1-06** - 0.63 NA

**FCM1-05** - 0.53 NA

**FCM05-05** - 0.53 NA

**Fiber Connector:** SMA or FC

**Material:** Black anodized aluminium



(A) Light output from fiber NA=0.5

(B,C) Same fiber with Collimator



高NAファイバー用コリメーター3種類の発散角度

FCM05-05		
beam diameter 1/2"		
Fiber Core Size	Full Emission Cone	
D	$\alpha$	$\alpha$
[ $\mu\text{m}$ ]	[mRad]	[Deg]
200	20	1.14
500	50	2.86
1000	100	5.73
1500	150	8.58
2000	200	11.46

FCM1-05		
beam diameter 1"		
Fiber Core Size	Full Emission Cone	
D	$\alpha$	$\alpha$
[ $\mu\text{m}$ ]	[mRad]	[Deg]
200	10	0.57
500	25	1.43
1000	50	2.86
1500	75	4.29
2000	100	5.729

FCM1-06		
beam diameter 1"		
Fiber Core Size	Full Emission Cone	
D	$\alpha$	$\alpha$
[ $\mu\text{m}$ ]	[mRad]	[Deg]
200	12	0.69
500	30	1.72
1000	60	3.44
1500	90	5.16
2000	120	6.88

Dimensions (mm)

