

## Faser Laser, blue, 450 nm, 50 mW

F450-50-3(14x147)-S-FIBER3M  
Order Number: 70149593

Main Parameters (*)	min	typ	max	Unit
Wavelength	445	450	455	nm
Optical Output Power	30	50	60	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	100	130	160	mA
Operating Temperature	-10		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >8,000 h  
RoHS yes

### Optical Parameters

Beam Shape Fiber  
Laser Class 3B  
Optics glass lens AR coated  
Beam Mode TEM00  
Laser technology Single Mode Diode

### Electrical Parameters

Potential of Housing isolated  
Battery AA battery, 1.5V  
Battery count 2

### Mechanical Parameters

Size Ø14x147 mm  
Material aluminium  
Housing Color black

Weight 7 g

### Fibers

Fiber connector FC  
Numerical aperture 0.2 NA  
Fiber core diameter Ø200 µm  
Fiber included yes

(\*) Over the complete operating temperature range

### Features



### Picture



### Safety Label



### Valid Revision

| 01-JUN-2023