



LED565-3F0

- Fiber Coupled LED
- 565 nm
- 3 mW CW
- 600 µm fiber
- CE certified
- 1 Year warranty



Description

LED565-3F0 is a fiber coupled LED, emitting at a wavelength of typically **565 nm**, with an output power of **3 mW at the tip of the 600 µm fiber**. It consists of the LED unit with SM905 connector and a 1 m 600 µm fiber, a control unit, and a separate power supply, supporting a wide input voltage range of 90-260 VAC. TTL or Analog modulation and different fibers (400, 600, 800, 1000 µm) are optionally available. **LED565-3F0** is RoHS compliant, CE certified, and comes with a **1 Year warranty**

Electro-Optical Characteristics (T_{CASE} = 25°C)

Parameter	Values	Unit
Wavelength	565	nm
Half Width	105	nm
Output Power	3 mW (with 600 µm fiber)	mW
Operating Mode	CW	
Fiber Core Diameter	400*, 600, 800*, 1000*	µm
Fiber Length	~ 1	m
Fiber NA	0.22	
Fiber Connector	SMA905	
Maximum Current	1000	mA
Forward Voltage	3.1	V
Warm-up time	< 5	min
Operating Temperature	10 ~ 35	°C
Storage Temperature	-20 ~ 80	°C
Input Power	5 VDC, 5 A	
Power Supply	100-240	VAC
Expected Lifetime	10000	hours

* optionally available





Options

Options	Description
Modulation input	TTL or Analog modulation input

Outline Dimensions



LED unit

Technical drawings of the LED unit showing dimensions: 64 x 46.5 x 30 mm³. Front view shows a width of 64 mm and a height of 30 mm. Side view shows a depth of 46.5 mm and a mounting hole of M6.3 x 0.7. Top view shows a width of 50.4 mm and a height of 20 mm. A detail shows a 2-6.5 x 24.5 mm feature.

Control unit

Technical drawings of the control unit showing dimensions: 114 x 78 x 71 mm³. Front view shows a width of 114 mm and a height of 71 mm. Side view shows a depth of 78 mm. Top view shows a width of 88 mm and a height of 100.8 mm. A detail shows a 2-7 x 9 mm feature.