

**645 ÷ 660
nm**

**CW output power
>1.0 mW**

LFO-65-d

Description:

LFO-65-d - is a series of optical module on the base of uncooled Fabry-Perot laser diode coupled with singlemode SMF-28 optical fiber. Hermetically sealed modules are performed in standard coaxial package with built-in driver and gradient collimating microlens. The low operating voltage and current levels enable to use portable power supply. The modules operate in wide temperature range, have stable output power and lifetime more than 5×10^3 hours.

LFO-65-d – are the best light sources for visual damage detecting in lines on singlemode or multimode optical fiber.



Optical and electrical characteristics (T=25°C):

Characteristics	Symbol	Test condition	Min	Typ.	Max	Units
Optical parameters						
Output power from fiber end	P _{OP}	I _{OP}	0.8	1.0		mW
Wavelength	λ _{OP}	P _{OP}	645	650	660	nm
Spectral width (FWHM)	Δλ	P _{OP}		1.0	2.0	nm
Optical fiber						
Fiber core/cladding diameter	D _C /D _{CL}			9/125		μm
Optical connector type				«FC»		
Electrical parameters						
Operating mode				CW		
Operating voltage	U _P		2.6	3.0	3.5	V
Operating current	I _P				50	mA
Reverse polarity protection				yes		
Climatic parameters						
Operating temperature range	T _{OP}		-10		+40	°C
Storage temperature range	T _{ST}		-20		+70	°C

Package specifications:

Pin	Function
black	“-“ VDC
red	“+“ VDC, LD anode, case

