

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 $5 \cdot 10^3$ hours.

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

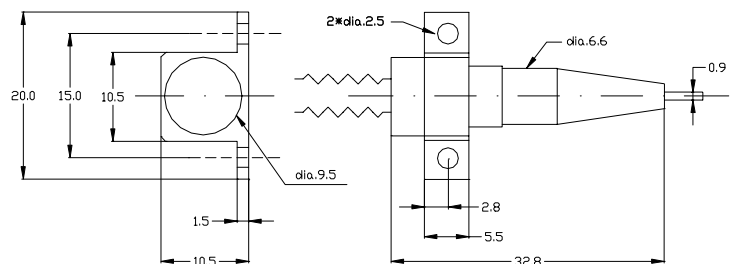


Optical and electrical characteristics (T=25°C):

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)	$\Delta\lambda$	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



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