

Model FOD3403

Visible Laser Diode Module



DESCRIPTION

The FOD 3403 Visible Laser Diode Module is designed specifically for safe (Class II) fiber optic applications such as visible fault locators and tracers. Guaranteed high power into singlemode fiber ensures maximum performance for viewing breaks, bends and lossy events.

The FOD3403 is available in 635nm version. The universal adapter system provides quick tool free conversion of the output connector and easy access for cleaning.

The module includes one 2.5 mm Universal Adapter for SC, FC and ST applications. Optional adapters include: 1.25 mm, FC, ST and SC.

RoHS Compliant



ABSOLUTE MAXIMUM RATINGS			
Parameter	Symbol	Rated	Unit
Maximum CW Output Power	P _{max}	2	mW
Laser Diode Reverse Voltage	V _{rlid}	2	V
Operating Temperature	T _{op}	-10 to +60	°C
Storage Temperature	T _{st}	-20 to +70	°C
Photodiode Reverse Voltage	V _{rpd}	20	V

ORDERING INFORMATION	
Part Number	Description
FOD3403	635nm Visible Laser Module
FOD5068	1.25 nm Universal Adapter
3105-05-SC	SC Adapter
3105-04-FC	FC Adapter
3105-01-ST	ST Adapter
FOD5058	2.5 mm Universal (spare)

TECHNICAL SPECIFICATIONS at 23°C						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Central Wavelength	λ_c	P _{cw} =1.5mW	625	635	640	nm
Spectral Width	$\Delta\lambda$	P _{cw} =1.5mW	-	1	-	nm
CW Output Power	P _{cw}	SMF28e	1.5	-	-	mW
Threshold Current	I _{th}	10μW	-	17	35	mA
Operation Current	I _{op}	P _{cw} =1.5mW	-	25	40	mA
Operation Voltage	V _{op}	P _{cw} =1.5mW	-	2.3	2.6	V
Monitor Current	I _m	P _{cw} =2mW	0.05	0.3	0.8	mA

