

Model FOD3105

850/1300 nm LED module with changeable adapters



DESCRIPTION

The FOD 3105 modules are designed specifically for test instruments.

The modules have an original dismountable ceramic ferrule that allows to incorporate the module on the front panel of a device and keep the access to the front face of the ferrule for cleaning and repolishing.

RoHS Compliant

- Easy to change adapters FC, ST, SC, Universal
- Easy to clean or repolish ferrule face



ABSOLUTE MAXIMUM RATINGS			
Parameter	Symbol	Rated	Unit
Maximum Current	I_{max}	80	mA
LED Reverse Voltage	V_{rled}	0.5	V
Operating Temperature	T_{op}	-20 to +60	°C
Storage Temperature	T_{st}	-30 to +70	°C

TECHNICAL SPECIFICATIONS						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Central Wavelength@25°C	λ_c	$I_{op}=60mA$	830	850	870	nm
Spectral Width	$\Delta\lambda$	$I_{op}=60mA$	-	40	-	nm
Forward Voltage	V_{op}	$I_{op}=60mA$	-	-	2	V
Output Power		$I_{op}=60mA$				
Temperature Stability	ΔP	$T_1=23^\circ C, T_2=40^\circ C$	-	0	± 0.2	dB
CW Output Power	P_{cw}	$I_{op}=40mA@62.5/125$	-19.5	-17	-	dBm
Central Wavelength@25°C	λ_c	$I_{op}=60mA$	1290	1320	1350	nm
Spectral Width	$\Delta\lambda$	$I_{op}=60mA$	-	135	-	nm
Forward Voltage	V_{op}	$I_{op}=60mA$	-	-	1.65	V
Output Power		$I_{op}=60mA$				
Temperature Stability	ΔP	$T_1=23^\circ C, T_2=40^\circ C$	-0.25	-0.45	-0.6	dB
CW Output Power	P_{cw}	$I_{op}=40mA@62.5/125$	-19.5	-17	-	dBm

