

Model FOD3513

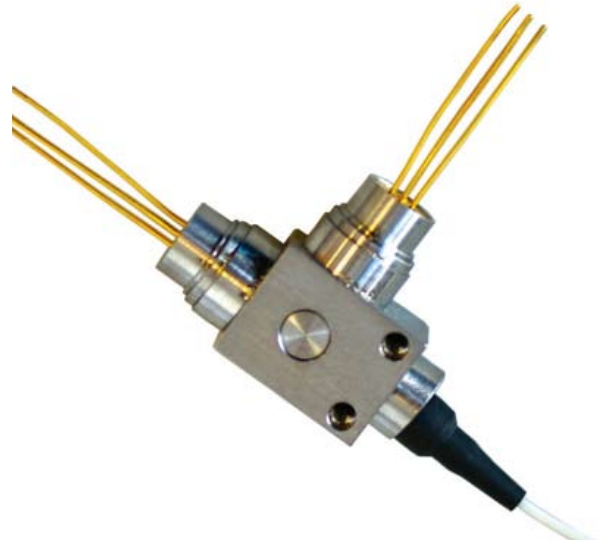
Dual Laser Diode Module 1310/1550 nm for OTDR



DESCRIPTION

Fabry-Perot lasers provide good stability and low noise in OTDR application. Low threshold and operating current guarantee low self heating and excellent reliability. Both laser diodes are hermetically sealed. Laser welded assembly provides long term mechanical stability.

RoHS Compliant



ABSOLUTE MAXIMUM RATINGS			
Parameter	Symbol	Rated	Unit
Maximum CW Output Power	P _{max}	2	mW
Laser Diode Reverse Voltage	V _{rd}	2	V
Operating Temperature	T _{op}	-10 to +50	°C
Storage Temperature	T _{st}	-20 to +70	°C

TECHNICAL SPECIFICATIONS at 23°C						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Central Wavelength	λ_c	P_{cw}=1mW	1290	1310	1330	nm
Spectral Width	$\Delta\lambda$	P _{cw} =1mW	-	7	10	nm
Pulse Output Power	P _p *	10% top slope	100	120	-	mW
Threshold Current	I _{th}	10μW	-	20	50	mA
Operation Current	I _{op}	P _p =100mW	-	-	700	mA
Operation Voltage	V _{op}	P _p =100mW	-	3	4.5	V
Central Wavelength	λ_c	P_{cw}=1mW	1530	1550	1570	nm
Spectral Width	$\Delta\lambda$	P _{cw} =1mW	-	7	10	nm
Pulse Output Power	P _p *	10% top slope	80	100	-	mW
Threshold Current	I _{th}	10μW	-	30	50	mA
Operation Current	I _{op}	P _p =80mW	-	-	700	mA
Operation Voltage	V _{op}	P _p =80mW	-	3	4.5	V

***duty rate ≤1%, pulse drop <10 %**

