

Model FOD3106W

850/1300 nm pigtailed LED Combiner module



DESCRIPTION

The FOD3106W LED combiner is the device of choice for designers of fiber optic instrumentation. Manufactured using a proprietary laser welding process, the FOD3106W offers superior reliability to epoxied devices.

The FOD3106W comes standard as a pigtailed device with 62.5/125 micron 900 micron buffer coated fiber. The pigtail is available terminated with any fiber optic connector. Other fiber types are also available upon request.

RoHS Compliant



ABSOLUTE MAXIMUM RATINGS			
Parameter	Symbol	Ratings	Unit
Maximum Current	I _{max}	100	mA
LED Reverse Voltage	V _{rled}	1.0	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} =40mA	830	850	870	nm
Spectral Width	$\Delta\lambda$	I _{op} =40mA	-	40	60	nm
Forward Voltage	V _{op}	I _{op} =40mA	-	-	2	V
CW Output Power	P _{cw}	I _{op} =40mA@62.5/125	-19.5	-17	-	dBm
Central Wavelength@25°C	λ_c	I _{op} =40mA	1280	1298	1330	nm
Spectral Width	$\Delta\lambda$	I _{op} =40mA	-	135	140	nm
Forward Voltage	V _{op}	I _{op} =40mA	-	-	1.65	V
CW Output Power	P _{cw}	I _{op} =40mA@62.5/125	-19.5	-17	-	dBm

