



40W機

40W出力 1ミクロン帯 単一周波数ファイバーアンプモジュール

SUBASSEMBLY SPECIFICATION SHEET

SUB Number: SUB-1174
 Description: PSFA-40W-1064-2
 Revision: 0

Parameter	Specification	Comments
Optical Specifications		
Output Power	40W, Nominal	40W before the fiber to free space isolator, power after isolator depends on the isolator insertion loss
Input Power	> 50 mW	Customer to supply seed signal source
Output Power Isolation	None	
Input Signal	< 10 kHz	System to be tested with ~ 5 kHz linewidth source
Input Isolation	> 30 dB, Nominal	By design
Mode Of Operation	CW	
Amplification Wavelength	1064 nm	
PER at Rated Power	> 32 dB	measure
Beam Quality	$M^2 < 1.3$	measure
Mechanical Specifications		
Input Signal Connection	FC/APC bulkhead	
Output Fiber	PLMA-GDF-25/400	
Output Fiber Length	1.0 meter, nominal	
Output Termination	fiber to free space isolator with armor flex cable pigtail	
Water Cooling	Ports for cooling water input and return provided	minimum cooling power of 150W, tap water OK
Package Size	3U 19" rack mountable system	
Electrical Requirements		
power supply	Provided	
diode drivers	Provided	
remote interlock	Provided	
emergency stop button	Provided	
key-switch	Provided	
input voltage	110~230 VAC	
power consumption	<300W	
Controls / Monitoring		
back-reflection protection	provided	
temperature monitor	provided	
control interface	USB	control GUI included
Operation	All Specifications at room temperature	

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