



30W 915/975nm Multimode Diode Laser with red aiming beam

Specification

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Laser Data					
Output Power(CW)	Po	30	-	-	W
Centre Wavelength	λ_c	905 970	915 975	925 980	nm
Spectral Width (FWHM)	$\Delta\lambda$	-	4.5	6.0	nm
Threshold Current	I _{th}	-	1.5	2.0	A
Operating Current	I _{op}	-	-	13.0	A
Operating Voltage	V _{op}	-	5.0	6.0	V
Convention Efficiency	η	-	50	-	%
Slop Efficiency	SE	-	2.5	-	W/A
Operating Case Temperature	T _c	15	25	55	°C
Storage Temperature	T _s	-30	25	70	°C
Wavelength shift vs. Temperature	$\Delta\lambda / \Delta T$	-	0.35	-	nm/°C
Fiber Data					
Core Diameter	D _c	103	105	108	nm
Numeric Aperture	NA	0.20	0.22	0.24	-
Cladding Diameter	D _{cl}	-	125	-	nm
Buffer Diameter	D _b	-	250	-	nm
Fiber Length	L _f	0.9	1.5	-	m
Fiber Tube Diameter	D _t	-	0.9	-	mm
Connector		-	Bare end	-	-
Red Aiming beam					
Output Power	P _a	2	-	-	mW
Wavelength	λ_a	-	638	-	nm
Voltage	V _a	-	2.5	2.8	V
Current	I _a	-	0.2	0.25	A
Others					
Lead soldering temperature, 10 s max	T _{ls}	-	-	260	°C
Fiber bend radius		37.5	-	-	mm

*1. All performance data tested at a heat sink temperature of 25°C, with the contact resistance between the case and the heat sink being less than 1 cm² K/W.

Ordering Information

For product inquiries and orders, please contact us at info@lasepro.com.

P/N	Wavelength	Power	NA	Feedback Protection	Protection Tube	Connector
LPMF9153001	915+/-10nm	30W	0.22NA	Yes	0.9mm(Diameter)*	No
LPMF9753001	975+/-5nm	30W	0.22NA	Yes	0.9mm(Diameter) *	No

* It is available with 2.0mm protection tube.