

FINAL TEST SHEET – Quality Check

Part Number:	PS PQB 0001	Model:	Sol 4 W 1064 nm
Product S/N:	135364	Doc. Rel.	12501

Parameter	Value		Performance requirements	Quality Control
Testing hours	68		> 48	Passed
Burn-in Case Temperature	30	°C	15°C to 40°C	Passed
External Level @ 100%	10	V	5 V or 10 V	Passed
Laser Emission Threshold Level	25	%	15% to 30%	Passed
Current Monitor Signal @ 100%	0,77	V		Passed
Max Output Power	5,3	W	> 4 W	Passed
Pulse Width @ 100% Level	49,2	ns	30 to 60 ns	Passed
Repetition rate @ 100% Level	21,5	kHz	15 kHz to 25 kHz	Passed
M ² @ 100%	1,2		< 1,5	Passed
Max Electrical Power Consumption	5	A	< 7 A	Passed
Laser Beam Collimation Check	OK		+/- 1 mm DOF with 160mm f-Theta	Passed
Red Aiming Beam Alignment Check	OK		Parallelism with laser beam	Passed
Photodiode Signal @ 100% (if present)	NOT PRES.	V	1 V to 3.3 V	Passed

*Tolerance on optical power measurement +/-5%

Additional Notes:

Measurements reported in this document are made by using testing instruments subjected to periodical calibration according to our internal procedure (IO 03).

Operator :	Date:	Signature:
Novella Gravellone	17/05/2013	NG