



TEST REPORT for LD Module \*\*\*\*\* MITSUBISHI ELECTRIC CORP.

Type No. : FU-68PDF-V510M71B  
 Serial. : 00M886  
 Test Date : 01-01-23

No.	Items	Symbols	Conditions	Specifications		Values	Units
				min.	max.		
1	Threshold cur.	I <sub>th</sub>	CW	0.0	25.0	10.6	mA
2	LD current	I <sub>op</sub>	CW Pf=10mW	0.0	100.0	65.8	mA
3	LD Voltage	V <sub>op</sub>	CW Pf=10mW	0.00	1.80	1.25	V
4	Monitor current	I <sub>mon</sub>	CW Pf=10mW	0.200	2.000	1.235	mA
5	Cooler current	I <sub>pe</sub>	T <sub>c</sub> =70C	0.00	1.00	0.61	A
6	Cooler voltage	V <sub>pe</sub>	T <sub>c</sub> =70C	0.00	2.00	1.37	V
7	Thermister Res.	R <sub>th</sub>	T <sub>ld</sub> =T <sub>t</sub>	6.1	13.2	9.9	kohm
8	Wavelength	λ <sub>c</sub>	CW Pf=10mW	1554.08	1554.18	1554.13	nm
9	Opt. Efficiency	dP/dI	CW Pf=10mW	0.100	0.500	0.180	mW/mA
10	SMSR	S <sub>r</sub>	CW Pf=10mW	33.0	60.0	42.7	dB
11	Tuning temp.	T <sub>t</sub>	CW Pf=10mW	20.0	35.0	25.4	C

\*\*\*\*\* Laser Diode characteristic graph \*\*\*\*\*

