



PRODUCT DATA SHEET

Laser Diode (HHL w/window package)

Model FB-M1985-300HO

Specification	Symbol	Typical	Unit
Laser Emitter			
Peak Wavelength	I_{op}	1985±15	nm
CW Optical Output Power	P_{op}	0.3	W
Operation Current	I_{op}	<4.0	A
Operation Voltage	U_{ld}	<1.5	V
Threshold Current	I_{th}	<1	A
Beam Divergence (FWHM)	$\theta_{ }$	8±2	degree
Beam Divergence (FWHM)	θ_{\perp}	1	degree
Spectrum Half-Width (FWHM)	$\Delta\lambda$	<8	nm
Emitting Area	$W \times d$	100x1	$\mu\text{m} \times \mu\text{m}$
Operation Mode	CW	continuous	-
Operation Temperature	Top	25	degree
TEC			
Maximum Current		5	A
Maximum Operation Voltage		3,8	V
Thermistor			
Resistance		10	kilohm
Wavelength Temperature Coefficient	$\Delta\lambda/\Delta T$	9.0±0.5	Å/degree
Operation Temperature Range		-20... +40	degree
Storage Temperature Range		-40... +80	degree

