

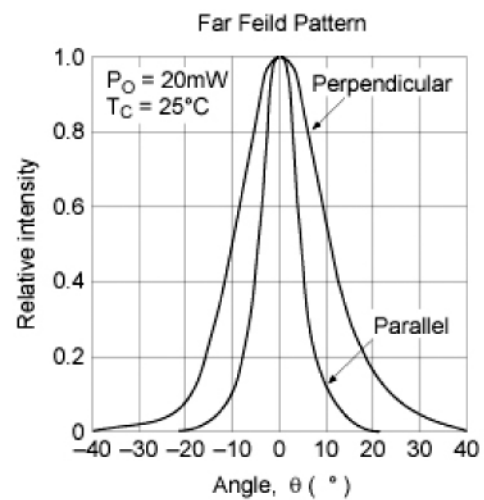
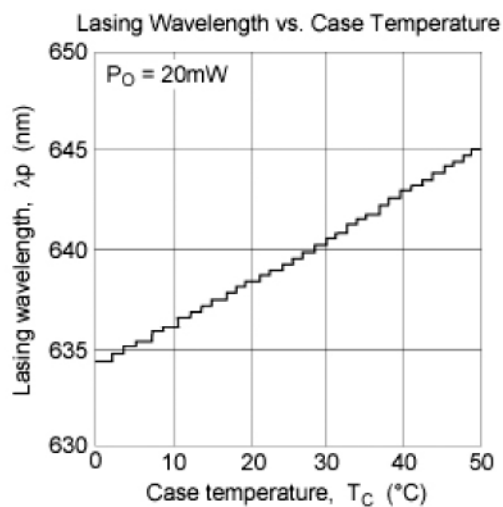
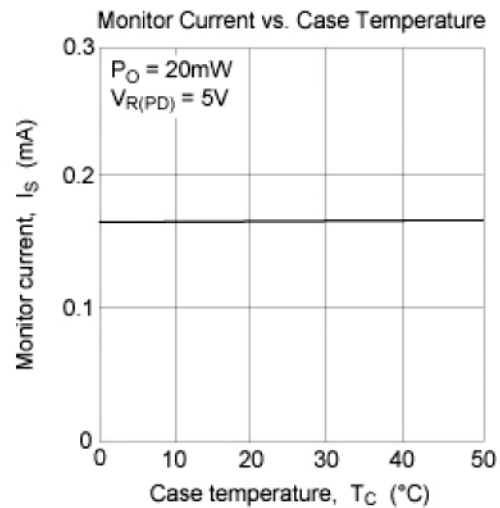
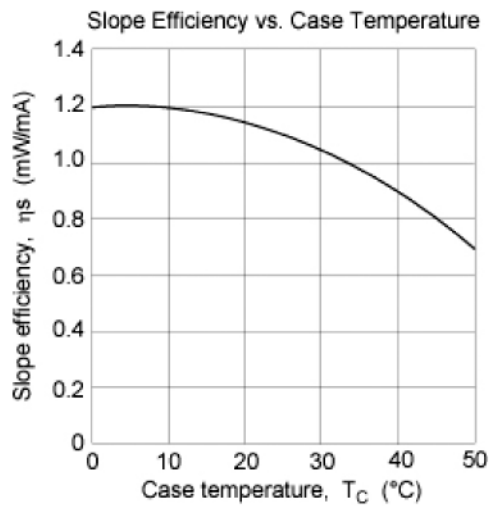
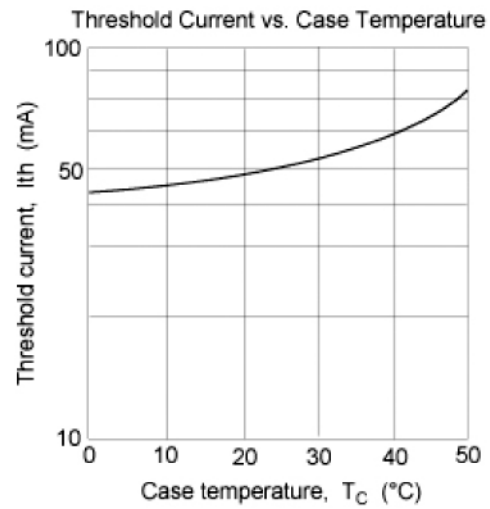
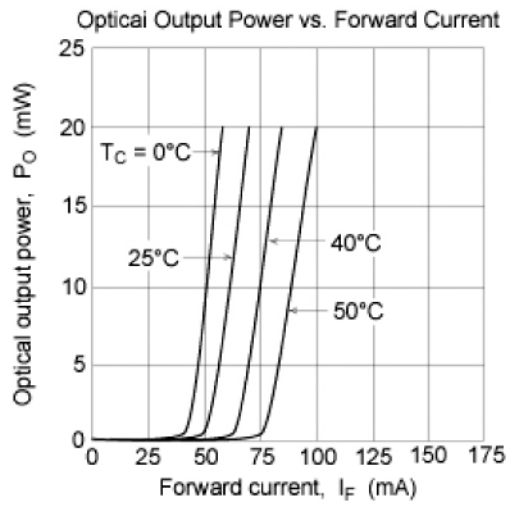
Absolute Maximum Ratings (Tc=25°C)

Item	Symbol	Ratings	Unit
Optical output power	Po	25	mW
LD Reverse Voltage	V _{R(LD)}	2	V
PD Reverse Voltage	V _{R(PD)}	30	V
Operating Temperature	Topr	-10 ~ +50	°C
Storage Temperature	Tstg	-40 ~ +85	°C

Optical and Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Threshold current	I _{th}	-	45	60	mA	-
Operating current	I _{op}	-	65	80	mA	Po=20mW
Operating voltage	V _{op}	-	2.3	2.5	V	Po=20mW
Beam divergence Parallel to the junction	θ _{//}	6	9	12	°	Po=20mW, FWHM
Beam divergence Perpendicular to the junction	θ _⊥	16	21	24	°	Po=20mW, FWHM
Lasing Wavelength	λ _p	630	639	643	nm	Po=20mW
Monitor Current	I _s	0.1	0.2	0.4	mA	Po=20mW, V _{R(PD)} =5V

Typical Characteristic Curves



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