

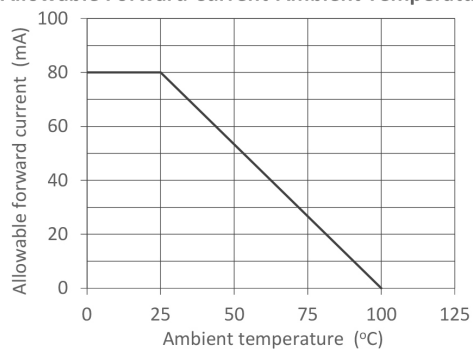
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	3	V	-
Forward current	I_F	80	mA	$T_a=25$
Operating temperature	T_{opr}	-20 to +100		Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100		Avoid dew condensation

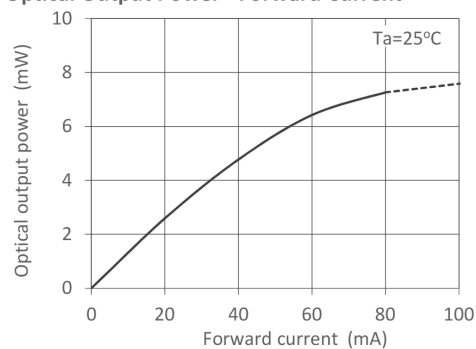
Electrical and Optical characteristics ($T_a=25$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Current	I_R	-	-	10	μA	$V_R=3V$
Forward voltage	V_F	-	1.9	2.4	V	$I_F=50mA$
Optical output power	P_O	-	5.0	-	mW	$I_F=50mA$
Peak wavelength	λ_p	-	855	-	nm	$I_F=50mA$
Half angle	2θ	-	125	-	deg.	$I_F=50mA$
Cutoff frequency	f_c	-	32	-	MHz	$I_F=50mA$

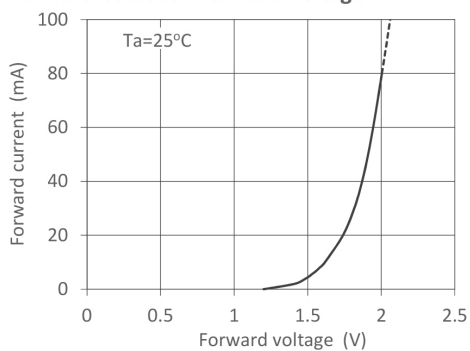
Allowable Forward Current-Ambient Temperature



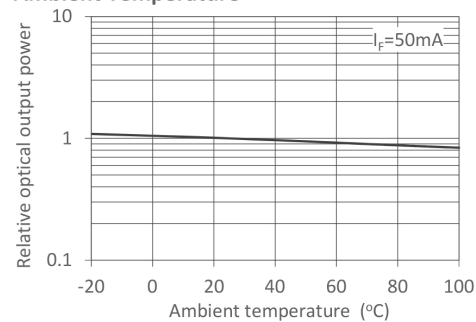
Optical Output Power - Forward Current



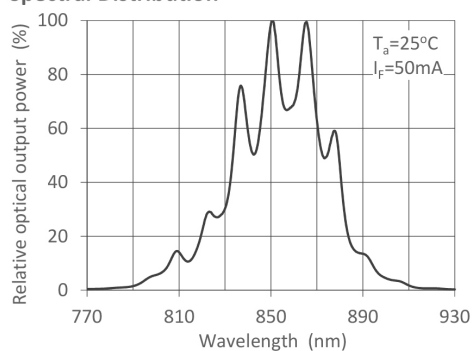
Forward Current - Forward Voltage



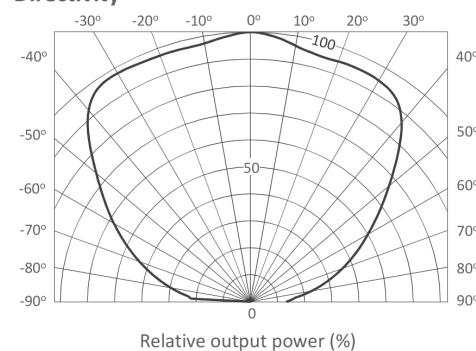
Relative Optical Output Power - Ambient Temperature



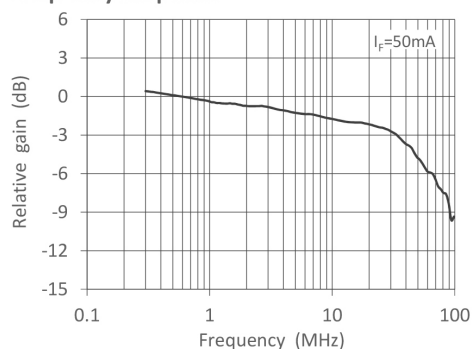
Spectral Distribution



Directivity



Frequency Response



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