

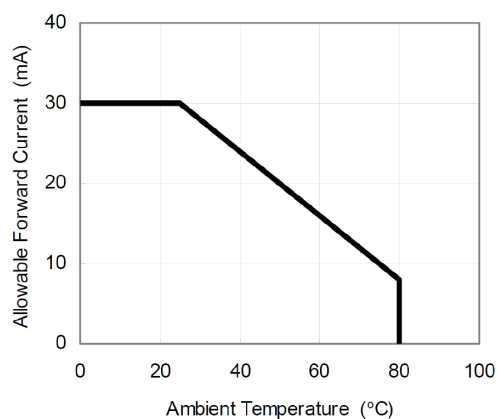
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	5	V	-
Forward current	I_F	30	mA	$T_a=25$
Peak forward current	I_{FP}	0.3	A	Pulse width=100μs Duty ratio=1%
Power dissipation	P_D	120	mW	-
Operating temperature	T_{opr}	-20 to +80		Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100		Avoid dew condensation

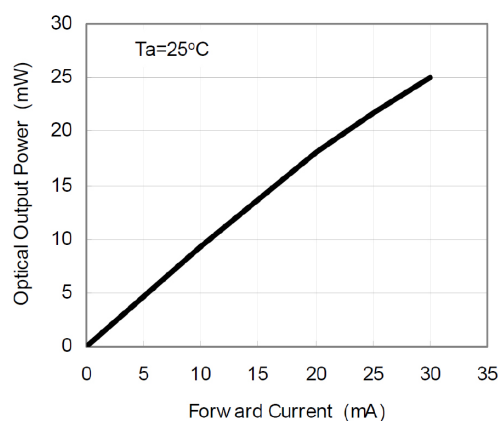
Electrical and Optical characteristics ($T_a=25$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Current	I_R	-	-	10	μA	$V_R=5V$
Forward voltage	V_F	-	3.0	4.0	V	$I_F=20mA$
Optical output power	P_O	-	18	-	mW	$I_F=20mA$
Peak wavelength	λ_p	-	465	-	nm	$I_F=20mA$
Spectral width		-	25	-	nm	$I_F=20mA$
Half angle	2	-	115	-	deg.	$I_F=20mA$

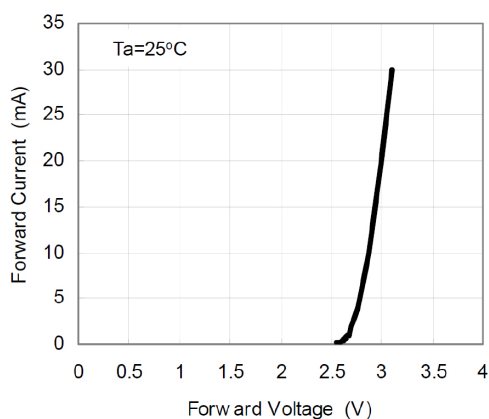
Allowable Forward Current - Ambient Temperature



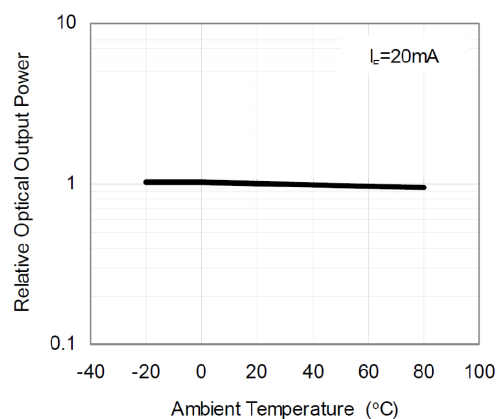
Optical Output Power - Forward Current



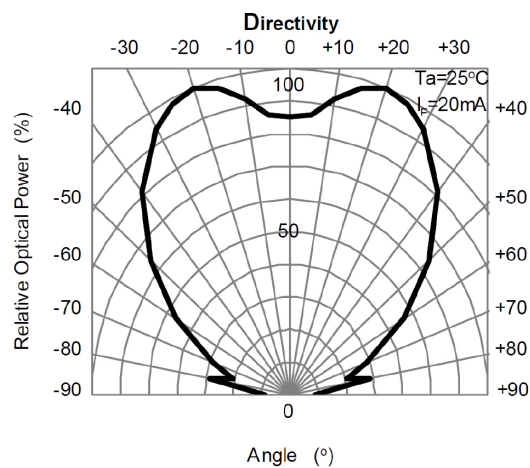
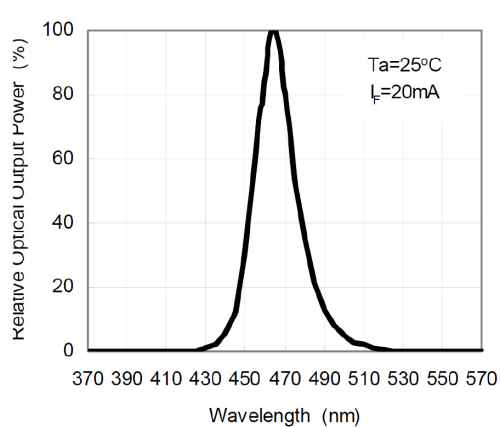
Forward Current - Forward Voltage



Relative Optical Output Power-Ambient Temperature



Spectral Distribution



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