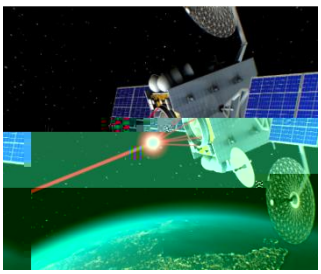


目录

特性参数

Absolute Maximum Ratings Ta=25

parameter	symbol			unit
power	Po		7	mW
backward voltage	VR	LD	2	V
		PD	30	
working temperature	TOP		-20 60	
Storage Temperature	Tstg		-40 85	
Welding conditions	Tsol		reflow soldering 240°C 6s manual welding 300°C 3s	

Recommended Operating Conditions

parameter	symbol		unit
Threshold Current	Ith	11	
Working Current	Iop	17	
working voltage	Vop	2.3	

Threshold Current	Ith	-	-	11	15	mA
Working Current	Iop	Po=7mW	-	17	20	mA
working voltage	Vop	Po=7mW	-	2.1	2.3	V
Central wavelength		Po=7mW	-	650	660	nm
beam divergence angle		Po=7mW	-	36	38	
Beam Directionality		Po=7mW	-	7	10	
Misaligned beam angle		Po=7mW	-3	-	+3	
		Po=7mW	-3	-	+3	
Monitoring Current	Im	Po=7mW, Vrd=5V	-	0.2	0.3	mA

remarks

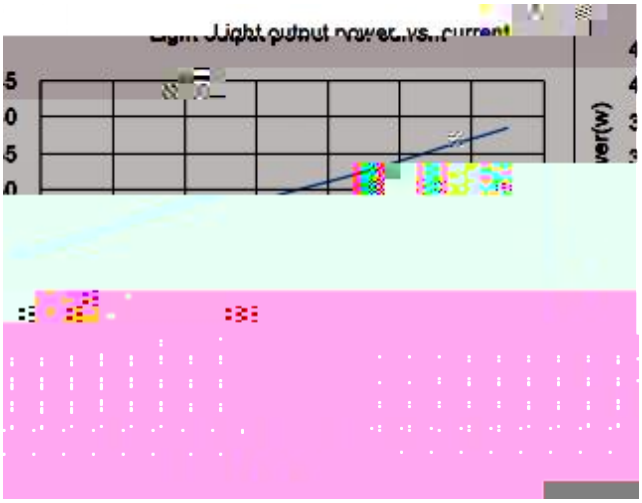
[1] 50%

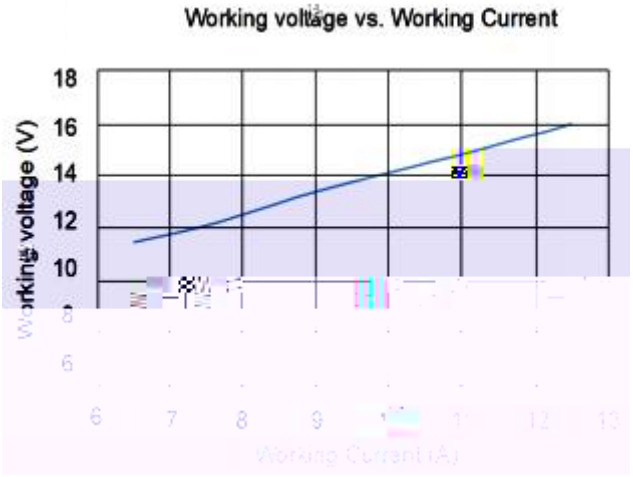
and are defined as the angles of the fast axis and slow axis at the 50% peak value.

[2] 25 ,

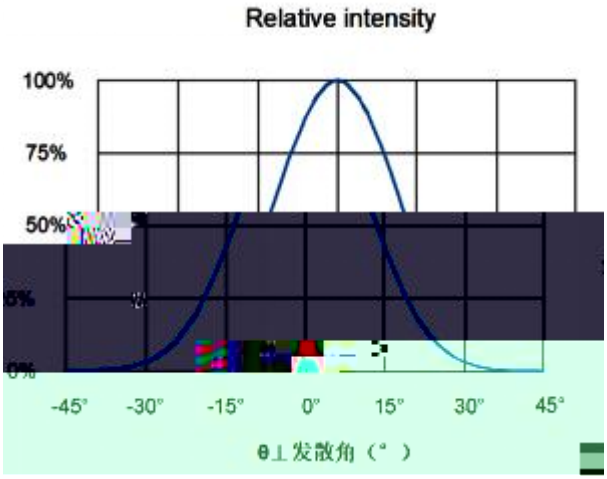
[The data test was conducted at 25 C; operating at ambient temperatures higher than this will affect the device's lifespan.

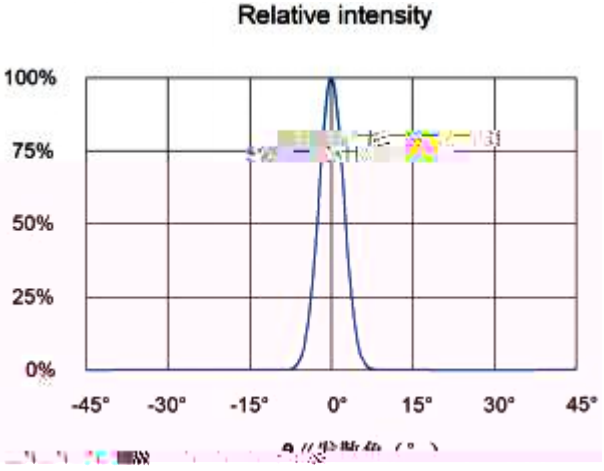
典型特性曲线

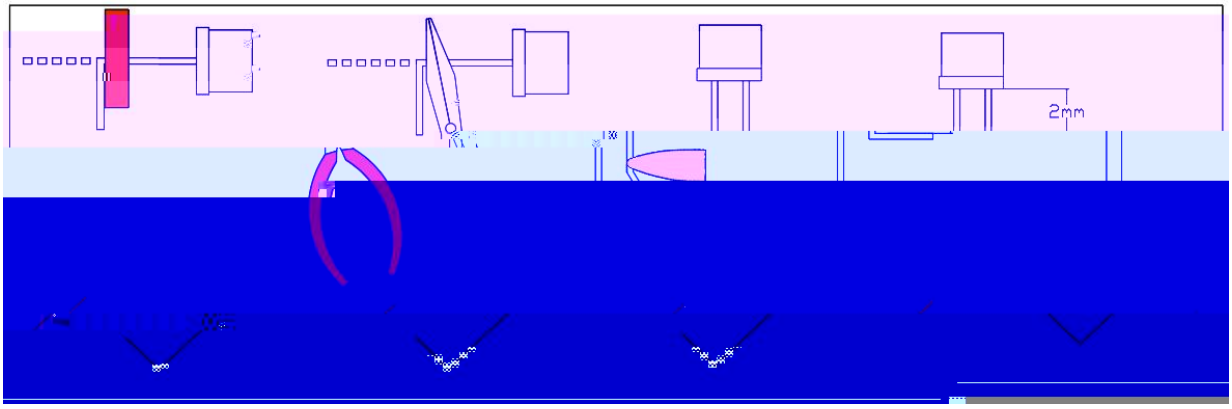



Working voltage vs. Working Current
Working voltage (V)
18
16
14
12
10
6
6
7
8
9
12
13

Temper


Relative intensity
100%
75%
50%
-45°
-30°
-15°
0°
15°
30°
45°
θ⊥发散角（°）


Relative intensity
100%
75%
50%
25%
0%
-45°
-30°
-15°
0°
15°
30°
45°


2mm