

High Power White LED

ALPHA-ONE's AOP6-0110HP1 is a reflective mirror type white color LED with extremely high luminosity.

Absolute Maximum Ratings

Ta = 25

Parameter	Symbol	Max. Rating	Unit
Forward Current (DC)	I _F	450 ^{*1}	mA
Peek Forward Current	I _{FRM}	1000 ^{*2}	A

¹ The rating without heat sink

² I_{FRM}: PW(Pulse width) 100 μ sec, duty 1/100



Electro-optical Characteristics

Ta = 25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward Voltage	V _F	3.0	3.4	3.9	V	I _F = 350mA
Reverse Current	I _R			2	μA	V _R = 5V
Color Temp.	T _c	5000	6500	10000	K	
Optical Output Power	P _O		53		lm	I _F = 350mA
Peak Luminous Intensity	I _E	70	90		lx*	I _F = 350mA
Half Angle at 50%	1/2		± 17		deg.	I _F = 350mA
Lead-Neck Temperature	T _L			60		

* measured at the distance of 1m.

External Dimensions

