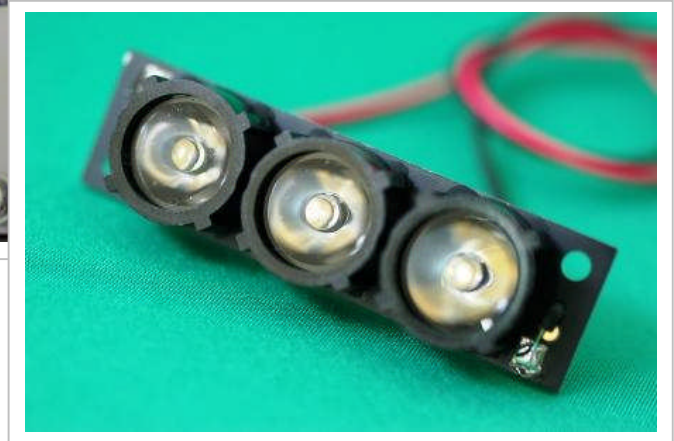


High Power & super beam IR LED module: AIR-14-3

AIR-14-3 series is a super beam infrared LED module which contains 3 pcs of high power LED. With the originally developed optical lens, the irradiated light is well-controlled and the highest optical power can be obtained.



Features:

- High radiant intensity
- Narrow viewing angle
- Low power consumption

Application:

- IR illuminator for surveillance cameras
- Light source for various sensors and more...

Note: The indicated data is for individual LED.

Absolute Maximum Rating			
Parameter	Symbol	Rating	Units
Forward Current *1	I_F	300	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-20~+85	°C
Storage Temperature	T_{stg}	-30~+85	°C

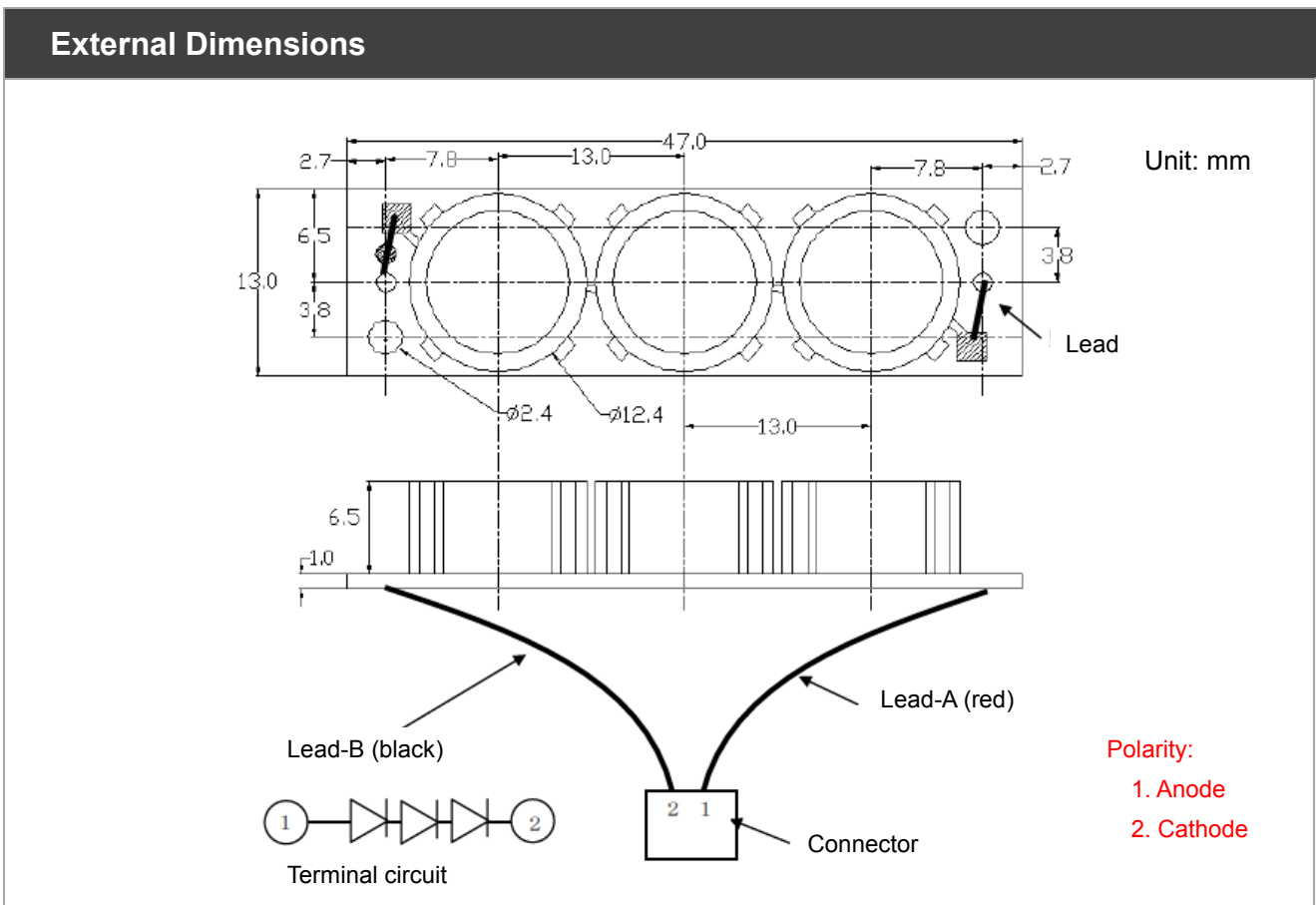
*1) The maximum temperature at board should be within 85°C

High Power & Super beam IR LED module: AIR-14-3

Note: The indicated data is for individual LED. The power should be X3 for one module.

Electrical/Optical Characteristics (Ta=25°C)					
Parameter	Symbol	Test Conditions	AIRP850P1/14-3	AIRD940P1/14-3	Unit
Total Radiated Power	P _O	I _F =100mA	45 (x3)	20 (x3)	mW
		I _F =300mA	120 (x3)	60 (x3)	
Forward Voltage	V _F	I _F =100mA	Max. 1.9	Max. 1.7	V
Reverse Current	I _R	V _R =5V	Max. 10		μ A
Peak wavelength	λ _p	I _F =100mA	850	940	nm
Spectral Half Width	Δλ	I _F =100mA	40	50	nm
Radiant Intensity	I _E	I _F =100mA	1700 (x3)	150 (x3)	mW/sr
Viewing Half Angle	θ _{1/2}	I _F =100mA	±4.0	±9.0	deg

Unless otherwise specified, the indicated value is typical.



The one with the other peak-wavelength including the visible rays is also available.
 If you have any questions, please make contact with us ASAP!

e-mail: info@alpha1-eq.com