

PRODUCT NEWS

Light Source LED with unique wavelength

700nm, 740nm, 770nm, 805nm and 810nm plastic mold type LED



Alpha-One offers high reliability LEDs with special peak-wavelength for various kinds of medical applications.

Application:

- Blood analyzer
- Body fluid analyzer
- Projector to scan the body
- Vein authentication
- Iris recognition

and more

805nm LED in various package

Package	Radiated Power [P _o]	Forward Voltage [V _F]	Forward Current [I _F]	Half Intensity beam angle[1/2]
3 mm mold type	Typ.6.5mW	Max. 1.9V	20mA	± 25 °
5mm mold type	Typ.15.0mW	Max. 1.9V	50mA	± 12 °
TO-46 w/t lens	Typ.8.5mW	Max. 1.9V	50mA	± 5 °

5mm LED in plastic molded package

Peak-wavelength [λ]	Radiated Power [P _o]	Forward Voltage [V _F]	Forward Current [I _F]	Half Intensity beam angle[1/2]
700nm	Typ. 3.5mW	Max. 2.3V	20mA	± 12 °
740nm	Typ. 4.0mW	Max. 2.3V	20mA	
770nm	Typ. 5.5mW	Max. 1.95V	20mA	
810nm	Typ. 15.0mW	Max. 2.0V	50mA	

The other packages with different viewing angle are available.

Alpha-One offers the service to design the multi-chip LED with different wavelength according to the specific customer's requirements.



If you have any questions, please make contact with us ASAP! Then, we will make the best proposal and introduce the most suitable model for you.