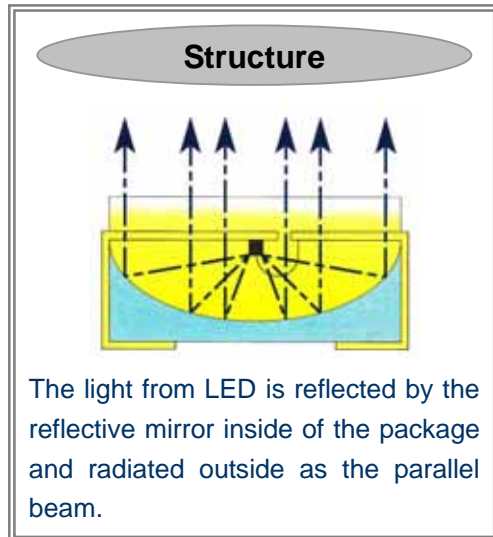


PRODUCT NEWS

Infrared LED with high output intensity

Packed on a precise and compact SMD package with reflective mirror inside, AOP-series realizes greater performance of radiation efficiency (more than 90% of LED chip).

Its shaft radiant intensity is about two times as high as the one of the normal molded type LED. The light from LED chip emitted onto the integral mirror inside of the package is reflected outside as the well-controlled parallel beam with higher performance.



◆ Applications

- Various kinds of illumination
(Indoor and outdoor purpose)
- Light source for security system
- Light source for image detection
- Light source for medical analyzer
- Optical transmissions
- Rotary encoders etc.

◆ Optical & Electrical Characteristics

Model No. (Standard)	Forward Voltage V_F (V)		Radiant intensity I_E (mW/sr)		Wavelength (nm)	Output Power P_O (mW)		Spectral bandwidth: 50% (°)
	Max	I_F (mA)	Typ.	I_F (mA)	λ_p	Typ.	I_F (mA)	
AOP1-7805	1.95	20	220	50	785	14.0	50	± 7
AOP1-8105	1.70	50	150	50	810	3.5	50	± 7
AOP1-8505	2.3	20	220	50	850	18.0	50	± 7
AOP1-8805	1.7	50	230	50	875	14.0	50	± 7
AOP2-9405	1.45	50	160	50	940	13.0	50	± 7

Model No. (Large size)	Forward Voltage [V_F] (V)		Radiant intensity at 50mA I_E (mW/sr)	Wavelength (nm)	Output Power at 50mA [P_O] (mW)	Spectral bandwidth: 50% (°)
	Max	I_F (mA)		λ_p	Typ.	
AOP5-8510P1	1.7	20	700	850	14.0	± 4
AOP5-8810P1	1.7	50	700	875	18.0	± 4
AOP5-9410P1	1.45	50	650	940	13.0	± 4

* Please ask us if you need LED with the other spectral peak.



Please make contact with us ASAP!

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