

Model No.	OSFKS5XX
Ver.	3

850nm & 940nm Infrared LED Module

Specifications:

- Diameter (outer): 44mm
- Diameter (inner): 18.75mm
- Height: 9mm
- LEDs: 18pcs
- Each LED watts: 0.12W
- Total Watts:1.6W
- Volts: 12-15Volts DC
- Lifetime: 20,000hrs

Features:

- IR Power ON –CDS Auto Control
- IR Wavelength 850nm or 940nm
- Color Transparent Type
- Superior UV Resistance
- 0 Lux with IR LED ON. Adopt high Radiant Power IR LED, having very good night-vision effect

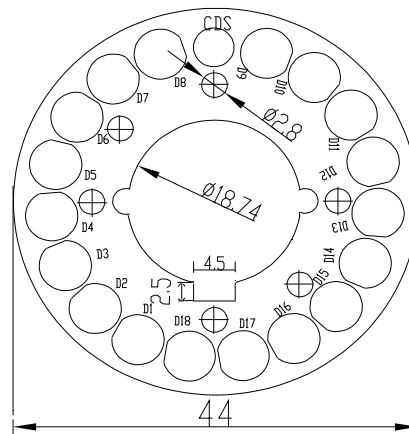
Application:

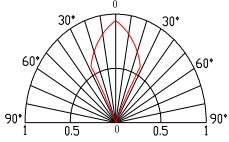
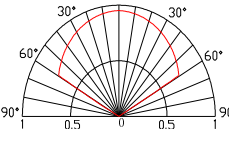
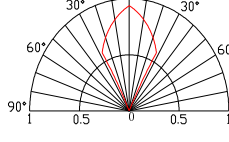
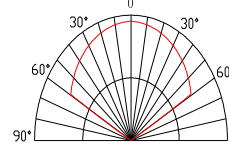
- Pickup device
- CCTV camera, IR camera
- Monitoring devices
- Remote controlling

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Product Picture and Dimensions:

Unit: mm Tolerance: ± 0.5



Module No.	LED	WD (Typ.)	Beam Angle	Radiant Intensity	Pattern
OSFKS5CS	OSI3CA5113A	850nm	60 deg	40 mW/Sr	
OSFKS5CC	OSI3CA5453B	850nm	120 deg	30 mW/Sr	
OSFKS5JS	OSI5LA5113A	940nm	60 deg	45 mW/Sr	
OSFKS5JC	OSI5LA5453B	940nm	120 deg	35 mW/Sr	

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Absolute Maximum Ratings(Ta=25°C)

Items	Symbol	Values	Units
Operating Supply Range(DC)	V _{idc}	15	V
Input Current (DC)	I _i	160	mA
Power Dissipation	P _a	2.4	W
Operating Temperature	T _{ope}	-10 ~ +60	DegC
Storage Temperature	T _{stg}	-20 ~ +50	DegC

Typical Performance (Ta=25°C)

Items	Symbol	Min.	Typ.	Max.	Units
LED Module Power	P _m	-	1.6	2.4	w
Input Voltage(DC)	V _i	-	12	15	V
Product Input Current	I _f	-	130	160	mA
LED Quantity	QTY	-	18	-	PCS
Total Diameter of PCB	L _{mod.}	-	44	-	mm
Net Weight	Wei.	---	7.44	---	g

Caution

- To prevent electric shocks and risk of fire hazards, do **NOT** use other than specified power source.
- The power supply must through safe attestation. Its output voltage/ current/ voltage polarity and operating temperature must match the requirement.
- Please note the IR module's operating temperature and its using environment requirement. Avoid using at too high or too low temperatures.