



Model No.	OSPRO2X3- XXXAS1C1A
REV.	C1

12V 850nm & 940nm Infrared SMD LED Ring

Specifications :

- Diameter(outer): 42.1mm
- Height: 3.5mm
- LEDs: 24pcs
- Total Watts: 0.3W
- Volts: 12 Volts DC
- Lifetime: 20,000hrs

Features :

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

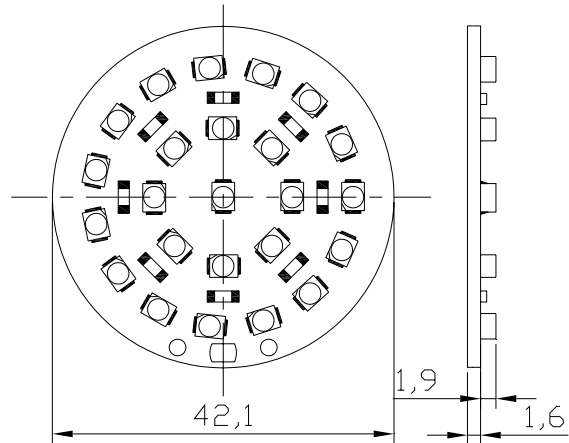
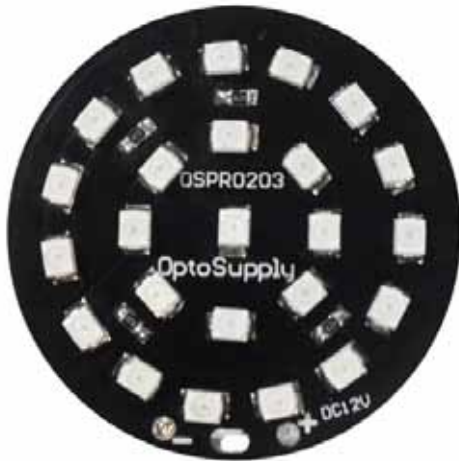
Application :

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

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Product Picture and Dimensions:

Unit: mm
Tolerance: $\pm 0.3\text{mm}$



Device Selection Guide

Module No.	LED	Wavelength (Typ.)	LED Module Beam Angle	Pattern
OSPRO2X3-I3CAS1C1A	OSI3CAS1C1A	850nm	120 degree	
OSPRO2X3-I5LAS1C1A	OSI5LAS1C1A	940nm	120 degree	



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Absolute Maximum Ratings(Ta=25)

Items	Symbol	Values	Units
Operating Supply Range(DC)	V _{idc}	14	V
Input Current (DC)	I _i	190	mA
Power Dissipation	P _a	2.66	W
Operating Temperature	T _{ope}	-10 ~ +60	DegC
Storage Temperature	T _{stg}	-20 ~ +50	DegC

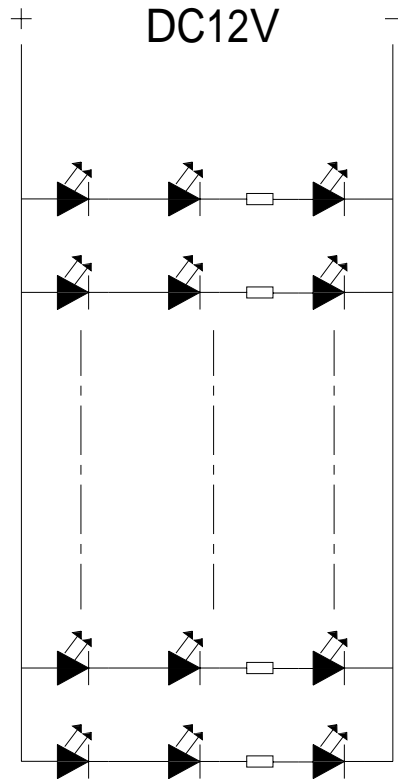
Typical Performance (Ta=25)

Items	Symbol	Min.	Typ.	Max.	Units
LED Module Power	P _m	-	1.56	2.66	W
Input Voltage(DC)	V _i	-	12	14	V
Product input Current	I _f	-	130	190	mA
LED Quantity	QTY	-	24	-	PCS
Total Diameter of PCB	L _{mod.}	-	42.1	-	mm
Net Weight	Wei.	---	5	---	g



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Product Circuit:



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.