NEW PRODUCT

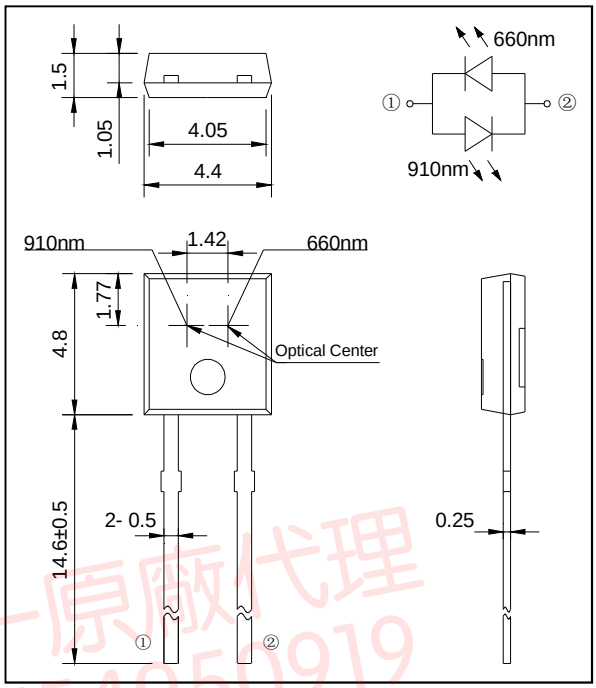
KODENSHI AUK

SpO_2-6691
Infrared and Red Emitting Diodes

The SpO_2-6691 is a High-Power AlGaAs IRED & AlGaP/Si RED LED mounted in a clear plastic package. It is compact and easy to mount.

Dimensions

(Unit:mm)



Features

- High output
- High reliability
- Compact

Application

- SpO_2 Module
- Optical Dual Wavelength Emitter

MAXIMUM RATINGS

(Ta= 25℃)

Item	Symbol	Rating		Unit
		Red	Infrared	
Power dissipation	P_D	75	100	mW
Forward current	I_F	50	50	mA
Reverse voltage	V_R	5	5	V
Operating temp.	Topr.	-25～+85		℃
Storage temp.	Tstg.	-30～+100		℃
Soldering temp. *1	Tsol.	260		℃

*1. Lead Soldering Temperature(3mm from case for 5sec)

ELECTRO- OPTICAL CHARACTERISTICS

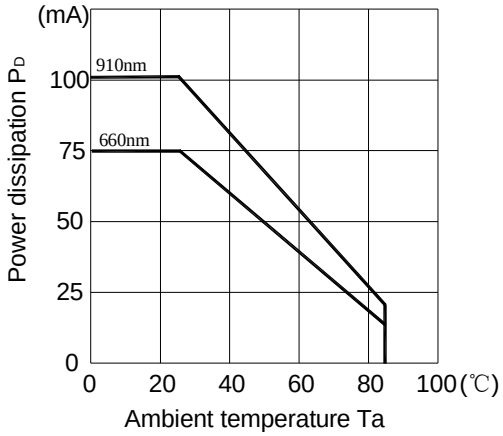
(Ta= 25℃)

Items	Symbol	Condition		Min.	Typ.	Max.	Unit
Forward voltage	V_F	I_F=50mA	910nm	-	1.4	1.7	V
			660nm	-	2.4	-	V
Reverse voltage	I_R	V_R=5V	910nm	-	-	10	μA
			660nm	-	-	1	μA
Radiant intensity	I_E	I_F=50mA	910nm	-	0.6	-	mW/Ster
			660nm	-	5		mW/Ster
Peak wavelength	λ_p	I_F=20mA	910nm	-	910	-	nm
			660nm	-	660	-	nm
Half angle	△θ	I_F=20mA		-	±65	-	deg.

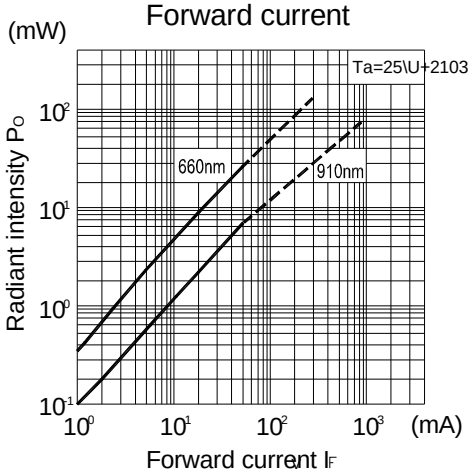
Infrared and Red Emitting Diodes

SpO_2-6691

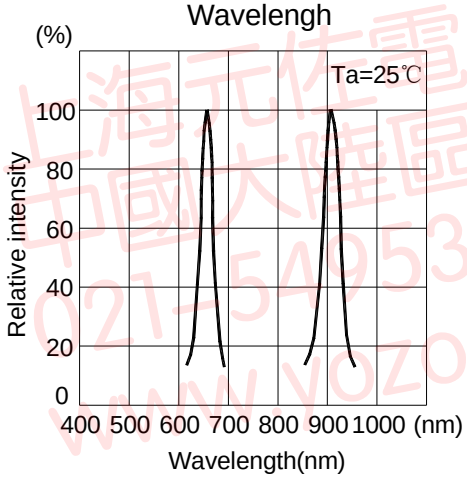
Power dissipation Vs.
Ambient temperature



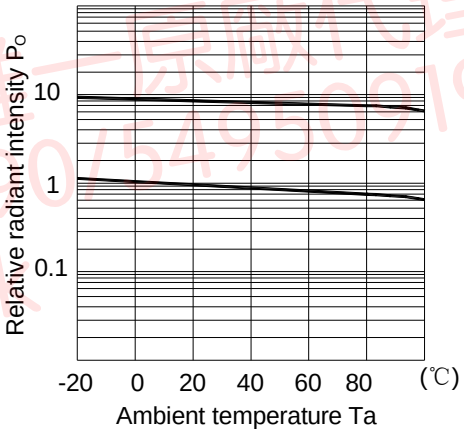
Radiant intensity Vs.
Forward current



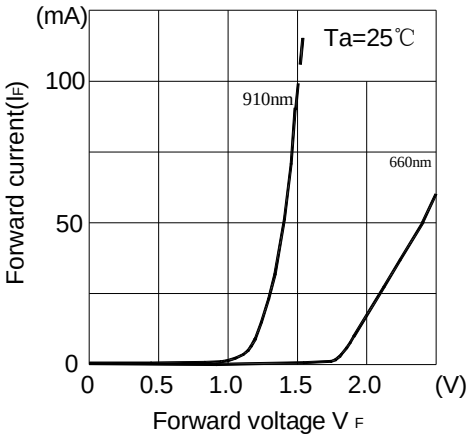
Relative sensitivity Vs.
Wavelengh



Relative radiant intensity Vs.
Ambient temperature



Forward current Vs.
Forward voltage



Radiant Pattern