

# AOP3-6310S2 ( $\lambda_p=625\text{nm LED}$ )

Infrared LED

## ◆ Absolute Maximum Ratings

Ta = 25°C

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>D</sub>		mW
Forward Current (DC)	I <sub>F</sub>	30	mA
Pulse Forward Current *	I <sub>FRM</sub>	*100	mA
Reverse Voltage (DC)	V <sub>R</sub>	5.0	V
Operating Temperature	T <sub>opr</sub>	-30 ~ +75	°C
Storage Temperature	T <sub>stg</sub>	-30 ~ +80	°C

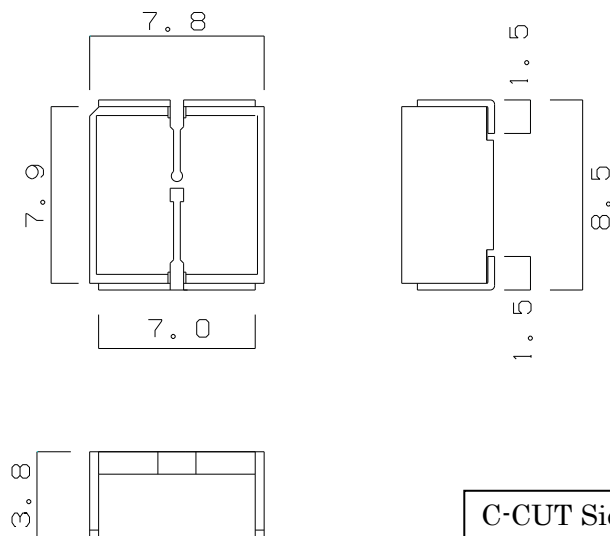
\* I<sub>FRM</sub>: PW(Pulse width) ≤ 100 μ sec, duty ≤ 1/100

## ◆ Electro-optical Characteristics

Ta = 25°C

Parameter	Symbol		Value	Unit	
Forward Voltage	V <sub>f</sub>	Typ.	2.2	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	Max.	10	μ A	V <sub>R</sub> = 5V
Peak Wavelength	$\lambda_p$	Typ.	625	nm	I <sub>F</sub> = 20mA
Spectral Half width	$\Delta\lambda$	Typ.	18	nm	I <sub>F</sub> = 20mA
Luminous Intensity	I <sub>v</sub>	Min.	17	cd	I <sub>F</sub> = 20mA
		Typ.	30		
Viewing Half angle	$\theta_{1/2}$	Typ.	±4	°	I <sub>F</sub> = 20mA

## ◆ External Condition (Reference Drawing)



Unit=mm/±0.3mm

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