

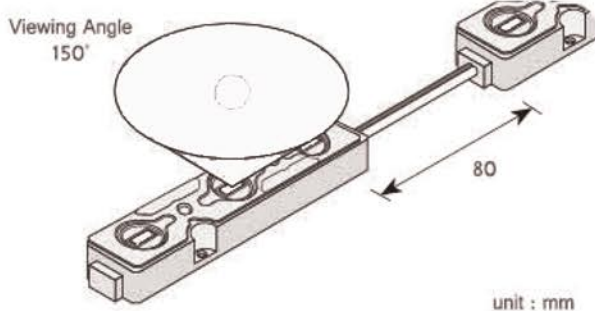
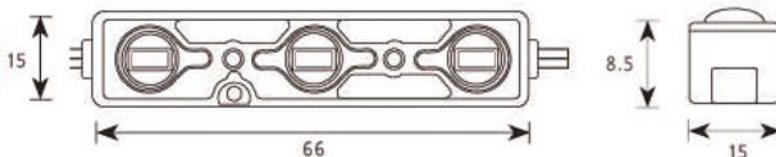
LED MODULE GOQ 3xLED

5252SMD 0.72W RED 150°



0.72W

IP68



unit : mm

PARAMETERS

Product No.:	GOQ 3 LED(RED)	Module Pitch:	80 mm
LED Dimension:	5252 type	Size:	66 x 15 x 8.5 mm
Power Consumption:	0.72 Watt	Weight:	8 g
Input Voltage:	12 V DC	Max. in Series:	50 EA
Input Current:	60 mA	Operating Temp:	- 30 ~ 85 °C
View Angle:	150°	Storage Temp:	- 40 ~ 100 °C
Luminous Intensity:	24 lm (Typ.)	Waterproof:	IP 68
CRI:	80	Cable:	UL, 20AWG 300V/80 °C



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Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	90	mA
Pulse Forward Current *1)	I_{FP}	270	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	252	mW
Operating Temperature	T_{opr}	-30~+85	°C
Storage Temperature	T_{sig}	-40~+100	°C

*1) I_{FP} conditions : Pulse with $t_w \leq 0.1\text{ms}$, Duty ratio $\leq 1/10$

※ Care is to be taken that Power Dissipation dose not exceed the Absolute Maximum Rating of the product.

※ These values are based on 3 die performance

Electro-Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=60\text{mA}$	1.8		2.4	V
Reverse Current	I_R	$V_R=5\text{V}$			10	uA
Luminous Intensity	I_v	$I_F=60\text{mA}$	1,600		2,200	mcd
Dominant Wavelength	λ_D	$I_F=60\text{mA}$	620		626	nm
Half Angle	$\theta_{\frac{1}{2}}$	$I_F=60\text{mA}$		± 60		deg

※ Voltage are tested at a current pulse duration of 1ms and an accuracy of $\pm 0.05\text{V}$

※ Luminous Intensity is tested at a current pulse duration of 10ms and an accuracy of $\pm 10\%$.

Viewing Radiation Characteristics

