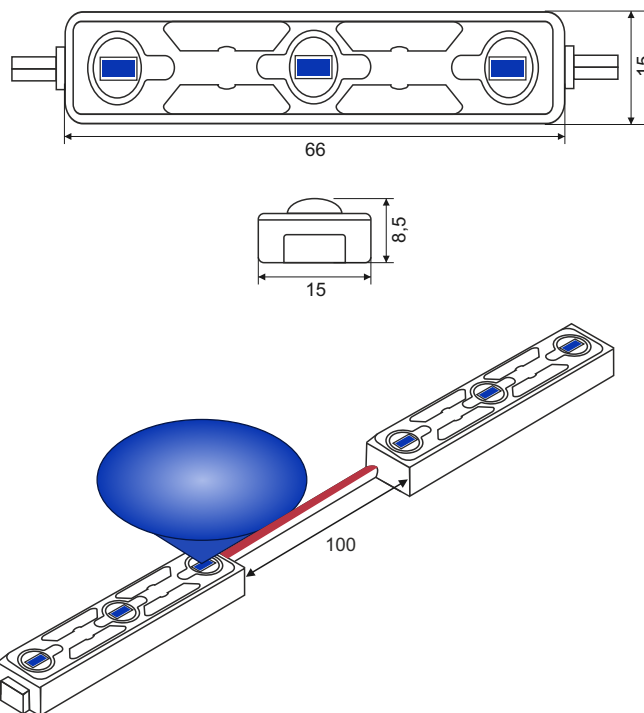


LED MODULE GOQ 3xLED

5252 SMD 0.72W BLUE 150°

0.72W IP68



TECHNICAL DATA DANE TECHNICZNE / TECHNISCHE DATEN

Product No.:	GOQ 3 LED (BLUE)
LED Dimension: Wymiary diody / Diodenabmessungen	5252 type
Rated Power: Moc znamionowa / Nennleistung	0.72 W
Input Voltage: Napięcie zasilania / Spannungsversorgung	12 V DC
Input Current: Prąd wejściowy / Eingangsstrom	60 mA
View Angle: Kąt świecenia / Abstrahlwinkel	150°
Luminous Intensity: Strumień świetlny / Lichtstrom	21 lm (Typ.)
CRI:	80

Module Pitch: Podział modułu / Modulplatz	100 mm
Size: Wymiar / Größe	66 x 15 x 8.5mm
Weight: Waga / Gewicht	8 g
Max. in Series: Max. w szeregu / Maximale in Serie	50 EA
Operating Temperature: Temperatura pracy / Arbeitstemperatur	-30 ~ 85° C
Storage Temperature: Temperatura przechowywania / Lagertemperatur	-40 ~ 100° C
IP	68
Cable: Przewód / Kabel	UL, 20AWG 300V/80° C



MINI LED MODULE GOQ 2xLED

5252 SMD 0.48 W BLUE

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	350	mW
Operating Temperature	T_{opr}	-30 ~ 85° C	° C
Storage Temperature	T_{stg}	-40 ~ 100° C	° C
LED Junction Temperature	T_J	120	° C

*1) I_{FP} conditions : Pulse with $tw \leq 0,1$ ms, Duty ratio $\leq 1/10$

* These values are based on 3 die performance

Electro-Optical Characteristics

(Ta=25° C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	1	$I_F=60\text{mA}$	3.0	3.2		V
	2		3.2	3.4		
	3		3.4	3.6		
	VF2		2.0	2.8		
Luminous Intensity	D	$I_F=60\text{mA}$	600	800		mcd
	E		800	1000		
	F		1000	1200		
Dominant Wavelength	A	$I_F=60\text{mA}$	450	454		nm
	B		454	458		
	C		458	462		
Reverse Voltage (1-die)	I_R	$V_R=5\text{V}$			10	μA
Half Angle	$\theta_{1/2}$	$I_F=60\text{mA}$		± 60		Deg

* Voltage are tested at a current pulse duration of 1 ms and an accuracy of $\pm 0,05\text{V}$

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

Viewing Radiation Characteristic

