

HIGH POWER ILLUMINATOR

P/N: RCA-7540-S000



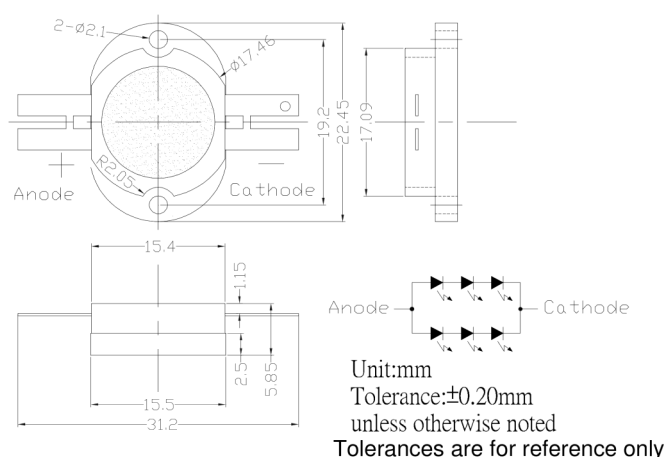
■ Features

- High-power LED
- Long lifetime operation
- Typical viewing angle : 140deg
- RoHS compliant
- Possible to attach to heat sink directly without using print circuit board.

■ Applications

- Indoor & outdoor lighting
- Stage lighting
- Reading lamps
- Display cases, furniture illumination, marker
- Architectural illumination
- Spotlights

■ Outline Dimension



■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current *1	I _F	1,400	mA
Pulse Forward Current*2	I _{FP}	2,000	mA
Reverse Voltage	V _R	15	V
Power Dissipation*1	P _D	17,640	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C /5sec	-

*1, Power dissipation and forward current are the value when the module temperature is set lower than the rating by using an adequate heat sink.

*2, Pulse width Max.10ms Duty ratio max 1/10

■ Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =1000mA	9.6	11.0	12.6	V
DC Reverse Current	I _R	V _R =15V	-	-	20	μA
Luminous Flux	Φ _v	I _F =1000mA	750	850	-	lm
Color Temperature	CCT	I _F =1000mA	-	4200	-	K
Chromaticity Coordinates*	x	I _F =1000mA	-	0.375	-	
	y	I _F =1000mA	-	0.385	-	
50% Power Angle	2θ _{1/2}	I _F =1000mA	-	140	-	deg

Note: Don't drive at rated current more than 5s without heat sink for High Power series.

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*2 Tolerance of measurements of luminous flux is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V

■ Directivity

