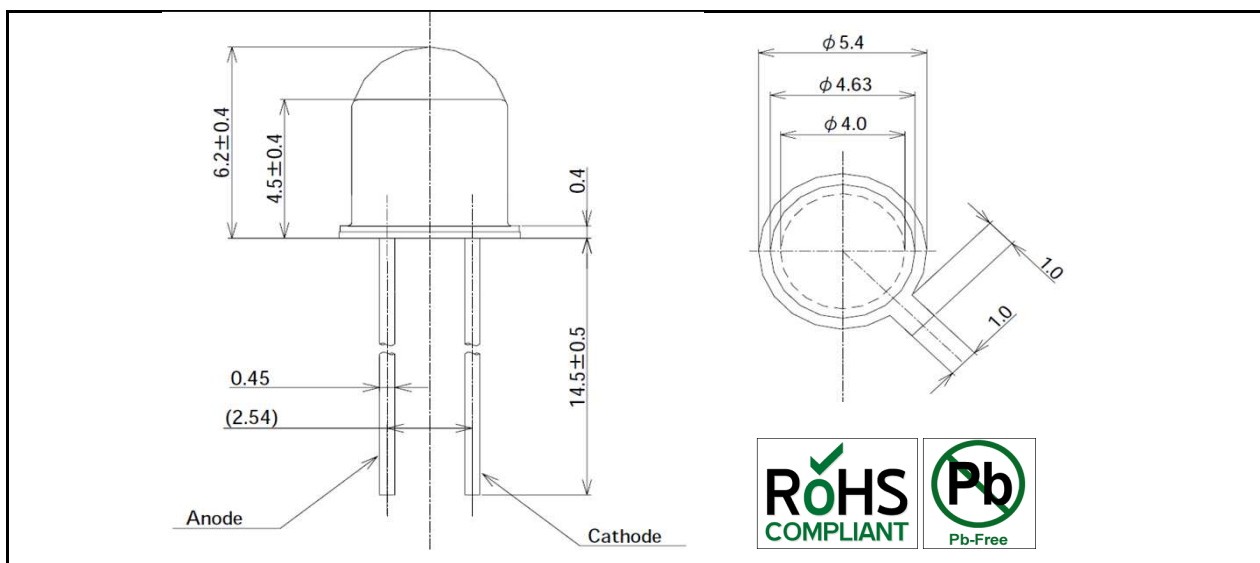


Data sheet

UV LED

EOLD-365-012

Radiation	Type	Case
Ultraviolet		Metal package with lens



Maximum Ratings

T_{amb}= 25°C, unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Forward current		I _F	25	mA
Pulse forward current	t < 0.1 ms, t/T < 1/10	I _{FP}	100	mA
Power dissipation		P _D	100	mW
Operating temperature range		T _{amb}	-30 to +80	°C
Storage temperature range		T _{stg}	-30 to +100	°C
Lead soldering temperature	< 10 s	T _{slg}	260	°C

Optical and Electrical Characteristics

T_{amb}= 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V _F	I _F = 20 mA	3.2	3.6	4.2	V
Optical Output power	P _o	I _F = 20 mA	0.6	0.7	0.8	mW
Peak wavelength	λ _p	I _F = 20 mA	363		370	nm
Viewing angle	φ	I _F = 20 mA		10		deg.
Spectral bandwidth at 50%	Δλ _{0,5}	I _F = 20 mA		15		nm

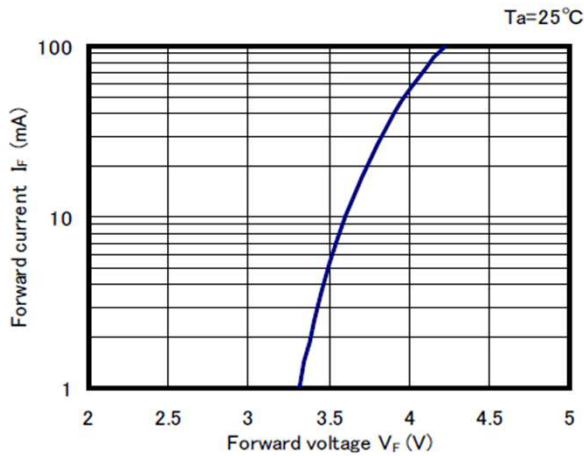


Data sheet

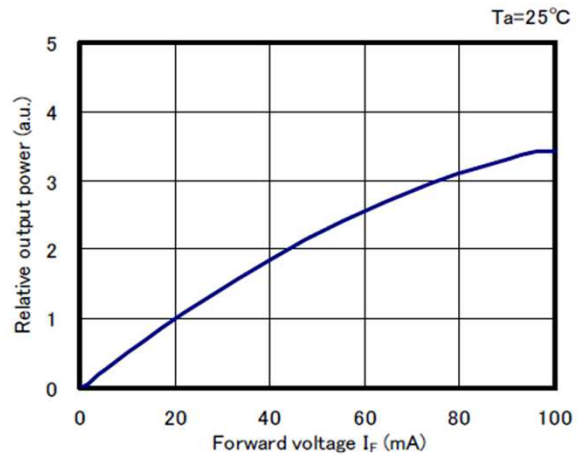
UV LED

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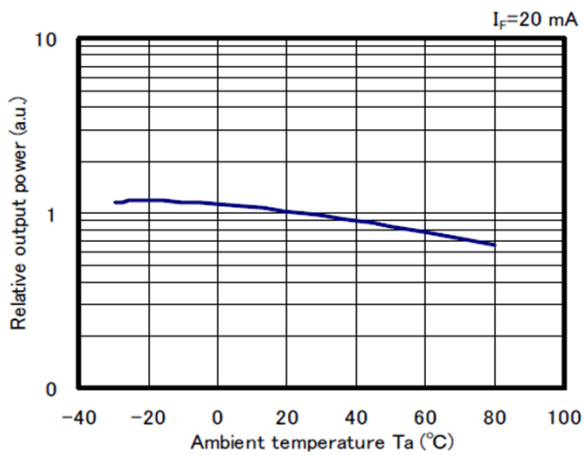
■ Forward voltage vs. Forward current



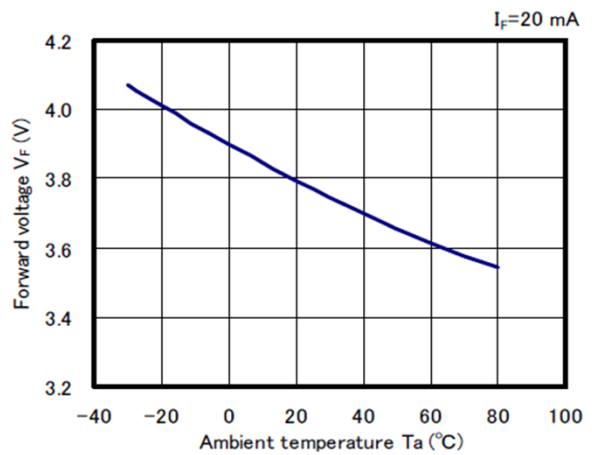
■ Forward current vs. Relative output power



■ Ambient temperature vs. Relative output power



■ Ambient temperature vs. Forward voltage

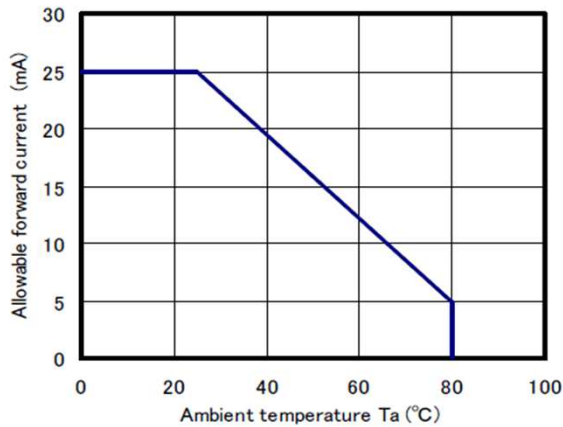


Data sheet

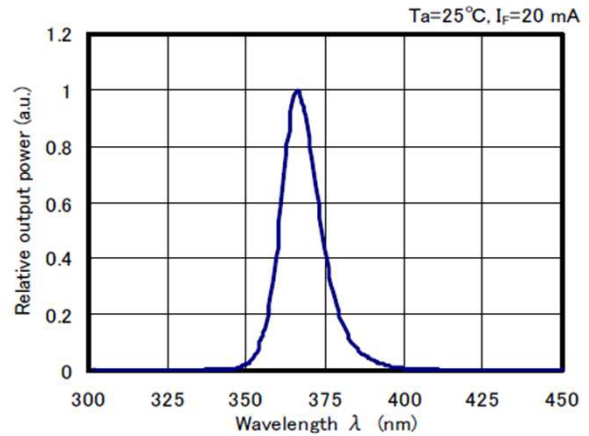
UV LED

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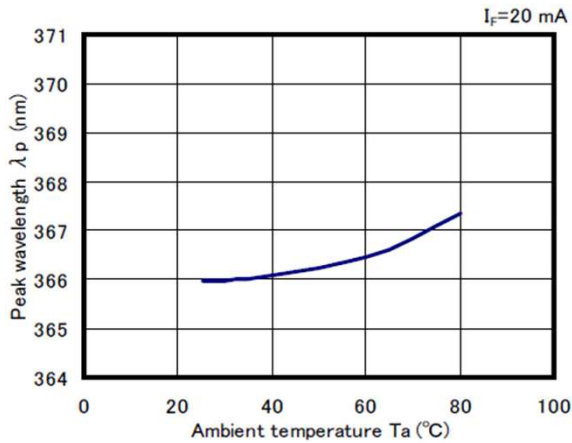
■ Ambient temperature vs. Allowable forward current



■ Spectrum



■ Ambient temperature vs. Peak wavelength



■ Directivity

