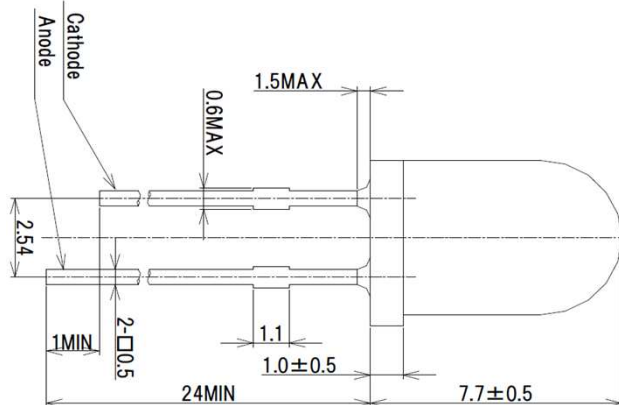


Data sheet

UV LED

EOLD-375-525

Radiation	Type	Case
Ultraviolet	Resin mold packaged	5 mm plastic lens

	<p>Description:</p> <p>Dimension in mm High power, high-speed, narrow beam angle, high reliability</p>
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Maximum Ratings

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

Parameter	Test Conditions	Symbol	Value	Unit
Forward current		I _F	25	mA
Peak forward current	t < 0.1 ms, t/T < 1/10	I _{FM}	100	mA
Reverse current	V _R = 5 V	I _R	85	mA
Power dissipation		P _D	100	mW
Operating temperature range		T _{amb}	-30 to +80	°C
Storage temperature range		T _{stg}	-30 to +85	°C
Lead soldering temperature	< 5 s, 3 mm from case	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
Radiant power	Φ _e	I _F = 20 mA	8.4		14	mW
Peak wavelength	λ _p	I _F = 20 mA	375		380	nm
Viewing angle	φ	I _F = 20 mA		15		deg.
Spectral bandwidth at 50%	Δλ _{0,5}	I _F = 20 mA	10		20	nm

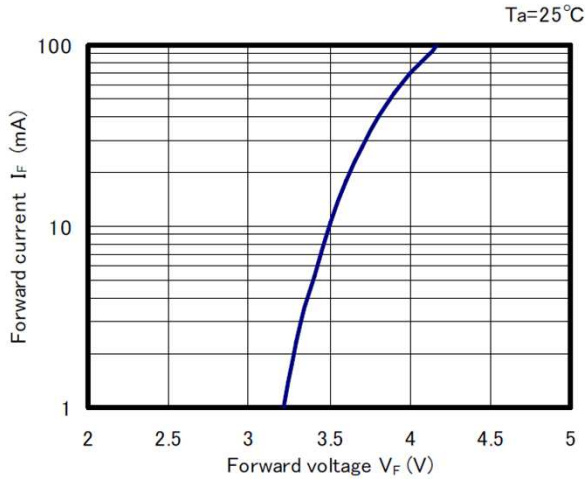


Data sheet

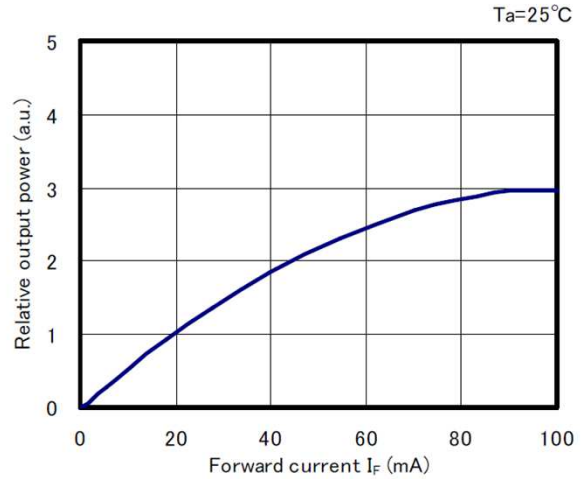
UV LED

EOLD-375-525

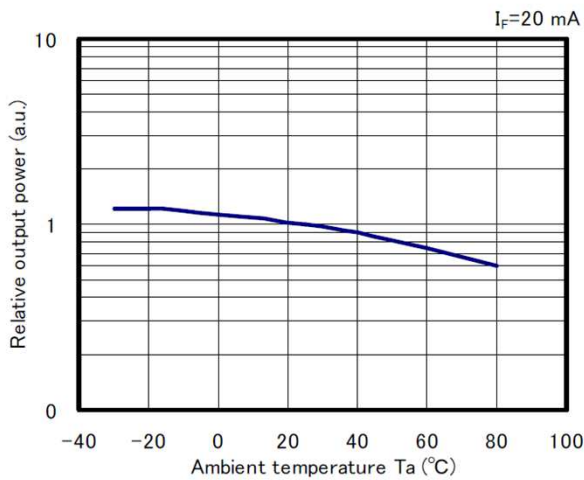
■ Forward voltage vs. Forward current



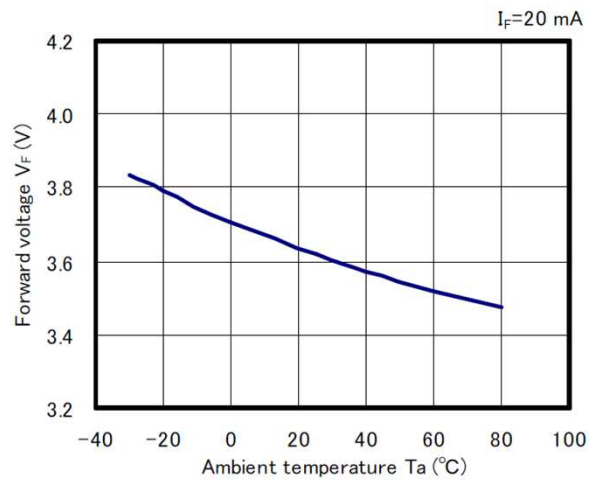
■ Forward current vs. Relative output power



■ Ambient temperature vs. Relative output power



■ Ambient temperature vs. Forward voltage

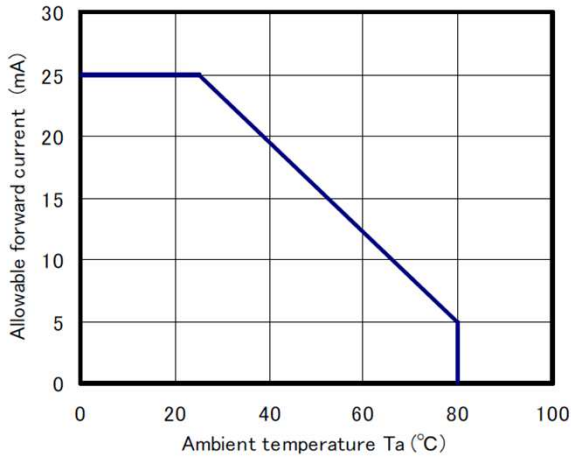


Data sheet

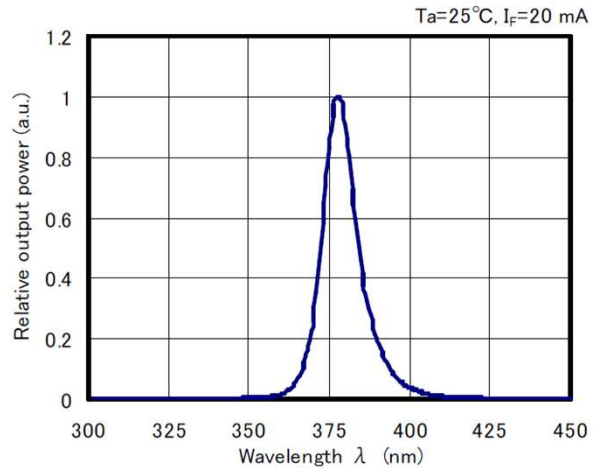
UV LED

EOLD-375-525

■ Ambient temperature vs.
Allowable forward current



■ Spectrum



■ Directivity

