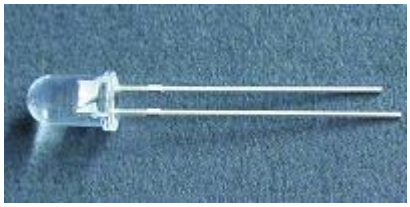
ARL2-5213UVC-100mcd



FEATURES

- High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- Available on tape and reel
- Pb free

DESCRIPTIONS

- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities, epoxy colors, etc. Superior performance in outdoor environment

APPLICATIONS

- Status indicators.
- Commercial use.
- Advertising Signs
- Back lighting

USAGE NOTES

- The ultra bright LED is an electrostatic insensitive device, so static electricity and surge will damage the LED. It is required to wear a wrist-band when handling the LED. All device, equipment, machinery, desk and ground must be properly grounded
- When using LED, it must use a protective resistor in series with DC current about 20mA

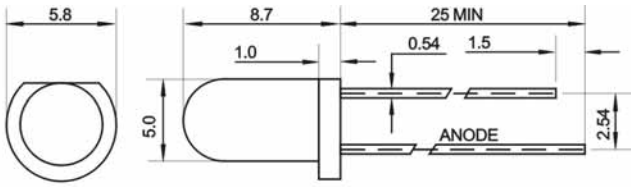
Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
ARL2-5213UVC-100mcd	GaASP	Purple	Water clear

PACKAGE DIMENSIONS

NOTES

- All dimensions are in millimeters(inches).
- Protruded resin under flange is 1.5mm Max.



Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I_{FPM}	70	mA
Forward Current	I_{FM}	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	140	mW
Operating Temperature	Topr	-45 ~+80	°C
Storage Temperature	Tstg	-40 ~+100	°C
Soldering Heat (5s)	Tsol	260	°C

Electro-Optical Characteristics (Ta=25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	80	120	---	mcd	IF=20mA(Note1)
Viewing Angle	$2\theta_{1/2}$	---	20	---	Deg	(Note 2)
Peak Wavelength	λp	396	400	405	nm	IF=20mA
Spectral Line Half-Width	$\triangle\lambda$	---	10	---	nm	IF=20mA
Forward Voltage	V_F	3.0	3.5	---	V	IF=20mA
Reverse Current	I_R	<1	10	---	μA	VR=5V