

ARL2-7605TRC

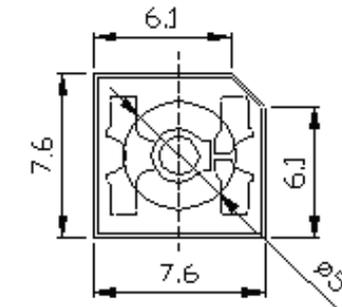
Features

- Low power consumption, High efficiency
- Wide viewing angle, High intensity
- I.C. compatible/low current requirement
- Versatile mounting on p.c. board or pannel
- General purpose leads

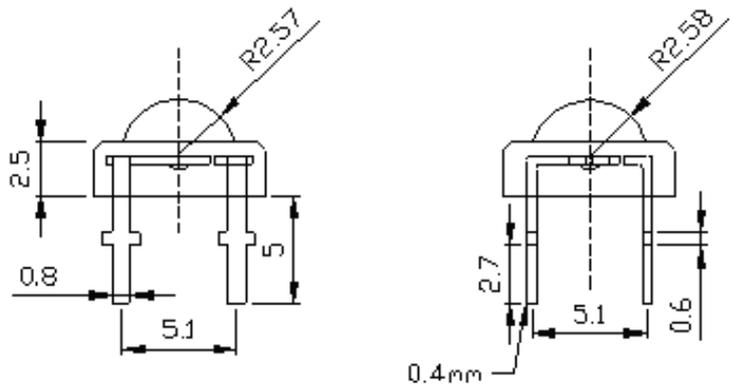
Part NO.	Lens Color	Source Color
ARL2-7605TRC	Water Clear	Red

NOTES:

1. All dimensions are in millimeters .
2. Tolerance is $\pm 0.20\text{mm}$ unless otherwise noted.
3. Protruded resin under flange is 1.0mm max
4. Lead spacing is measured where the leads emerge from the package.
5. Caution in ESD: Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.



Package dimensions



Absolute Maximum Rating at TA=25°C

Parameter	Max	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	120	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +105°C	
Lead Soldering Temperature [4mm (.157") From Body]	260°C for 5 Seconds	

Electrical Optical Characteristics at TA=25°C

Parameter	Symbol	Unit	Value			Test Conditions
			Min.	Typ.	Max	
Luminous Intensity	I _v	1500	---	2500	mcd	I _f =20mA (Note 1)
Viewing Angle	2θ _{1/2}	---	110	---	Deg	(Note 2)
Dominant Wavelength	λ _d	620	625	630	nm	I _F =20mA (Note 3)
Forward Voltage	V _F	1.9	2.1	2.3	V	I _F =20mA
Reverse Current	I _R	---	---	5	μA	V _R =5V

NOTES:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ_{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. It use many parameters that correspond to the CIE 1931 2°. X, Y, and Z are CIE 1931 2° values of Red, Green and Blue content of the measurement.

Typical Electrical / Optical Characteristics Curves (25°C Ambient Temperature Unless Otherwise Noted)

