



EVERLIGHT ELECTRONICS CO.,LTD.

LED INJECTION TYPE LAMP

5mm Circuit Board Indicator,T-1 3/4

A2723B-1/7343USRC/S1029-2

Features

- Low power consumption
- High efficiency and low cost
- Good control and free combinations on the colors of LED lamps
- Stackable and easy to assembly and fixed position
- Stackable vertically and easy to assembly
- Versatile mounting on PCB or panel
- Stackable horizontally and easy to assembly

Descriptions

- Used as indicators of indicating the degrees, functions, positions etc, in electronic instruments.
- Used the direct injection holder that easy to fixed position of mounting on PCB or panel.

Applications

- ARRAY=Plastic Holder Combination of Lamps
- The array will easily mount the applicable lamps on any panel

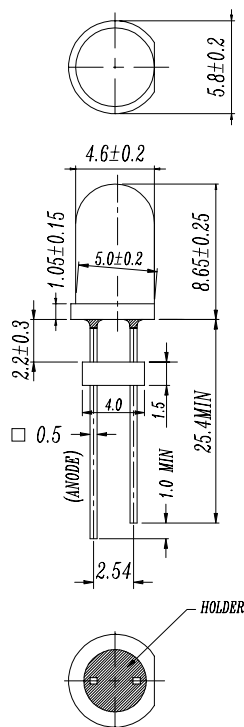


Device Selection Guide

LED PART NO.	Chip		Lens Color
	Material	Emitted Color	
7343USRC/S1029-2	AlGaInP	Super Red	Water Clear

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Package Dimensions



Notes:

- All dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Lead spacing is measured where the lead emerges from the package.
- Protruded resin under flange is 1.5mm Max LED.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Units
Forward Current	I _F	50	mA
Pulse Forward Current(Duty 1/10 @ 1kHz)	I _{FP}	100	mA
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Electrostatic Discharge	ESD	2000	V
Soldering Temperature ^{*2}	T _{sol}	260 ± 5	°C
Power Dissipation	P _d	120	mW
Reverse Voltage	V _R	5	V

Notes: *1:I_{FP} Conditions--Pulse Width ≤ 10msec and Duty ≤ 1/10.

*2:Soldering time ≤ 5 seconds.

A2723B-1/7343USRC/S1029-2

Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage	V_F	$I_F=20\text{mA}$	1.7	2.0	2.6	V
Reverse Current	I_R	$V_R=5\text{V}$	--	--	10	μA
Radiance Intensity	I_e	$I_F=20\text{mA}$	12.2	--	--	mW/sr
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	--	30	--	deg
Peak Wavelength	λ_p	$I_F=20\text{mA}$	--	639	--	nm
Dominant Wavelength	λ_d	$I_F=20\text{mA}$	--	625	--	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=20\text{mA}$	--	20	--	nm
Forward Voltage variation with LED current	ΔV_F	$V_F@50\text{mA}-V_F@20\text{mA}$	--	--	0.6	V
Reverse Voltage	V_R	$I_R=100\mu\text{A}$	5	20	--	V

Chromatically Coordinates Specifications for Bin Grading:(unit: mW/sr)

Rank	Min.	Max.	Rank	Min.	Max.
M	12.2	14.7	R	25.4	30.5
N	14.7	17.6	S	30.5	36.5
P	17.6	21.2	T	36.5	43.9
Q	21.2	25.4	U	43.9	52.6

Tolerance for each bin will be $\pm 10\%$

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Typical Electro-Optical Characteristics Curves

