查询7344/G2T3-AQTB供应商

EVERLIGHT

Technical Data Sheet

Features

- Popular T-1 3/4package.
- High efficiency.
- General purpose leads.
- Selected minimum intensities.
- Available on tape and reel.
- The product itself will remain within RoHS compliant version...

WWW.DZSC

• ESD-withstand voltage: up to 4K V

Descriptions

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

Applications

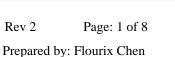
- Status indicators.
- Commercial use.
- Advertising Signs.
- Back lighting.

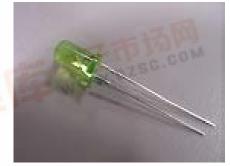
Device Selection Guide

	C	hip		<u>G</u> (
LED Part No.	Material	Emitted Color	Lens Color	Stopper	
7344/G2T3-AQTB/P	LCN		C E	Yes	
7344/G2T3-AQTB	InGaN	Super Green	Green Trans	No	



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7344/G2T3-AQTB/X



7344/G2T3-AQTB/X **Package Dimensions** 12.25±0.5 **Stopper type** 1,05±0,15 \square (1)54±0,25 -Л 0 -1.0Min 8.65±0.25 5.8±0.2 31.6Min No Stopper type 0,65Ma×+ 1.05 ± 0.15 \square (1).54±0,25 Л \bigcirc -1.0Min 8,65±0,25 5.8±0.2 31.6Min (1) Anode +0@Cathode Notes:

• Other dimensions are in millimeters, tolerance is 0.25mm except being specified.

- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

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Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	25	mA
Pulse Forward Current (Duty1/10@ 1KHz)	I_{FP}	100	mA
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Reverse Voltage	V_R	5	V
Electrostatic Discharge	ESD	4K	V
Soldering Temperature	T _{sol}	260 ±5	°C
Power Dissipation	P _d	110	mW
Zener Reverse Current	Iz	100	mA

Absolute Maximum Rating $(T_a=25^{\circ}C)$

Notes: Soldering time \leq 5 seconds.

Electro-Optical Characteristics ($T_a=25^{\circ}C$)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
Radiometric Intensity	Iv	3600	5650		mcd	
Viewing Angle	2 heta 1/2		30		deg	I _F =20mA
Peak Wavelength	λp		518			
Dominant Wavelength	λ_d		525		nm	
Spectrum Half width	Δλ		35			
Forward Voltage	V _F			4.0	V	
Reverse Current	I _R			50	uA	V _R =5V
Zener Reverse Voltage	Vz	5.2			V	Iz=5mA



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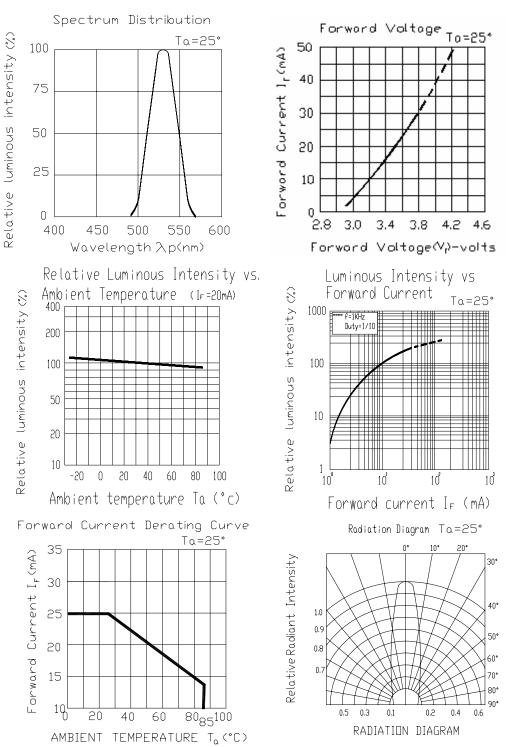
Rank Combination (I ₁	<u>F</u> =20mA)							
Rank	Q	R			S		Т	
Luminous Intensity	3600~4500	4500 4500~5650 565		565(5650~7150		7150~9000	
*Measurement Uncertainty of Luminous Intensity: ±15% Unit: :mo						Unit: :mco		
	1							
Rank	В							
	1	2	2 3		4		5	
Forward Voltage	3.0~3.2	3.2~3.4	3.4~	·3.6	3.6~	-3.8	3.8~4.0	
*Measurement Uncertainty of Forward Voltage: ±0.1V Unit:						Unit:V		
Rank	3		4			5		
Dominant Wavelength	520~524			524~528		5	528~532	
*Measurement Uncertainty of Dominant Wavelength ±1.0nm						Unit:nm		

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Typical Electro-Optical Characteristics Curves

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Packing Quantity Specification

1.500 PCS/1Bag , 5Bags/1Box

2.10Boxes/1Carton

Label Form Specification



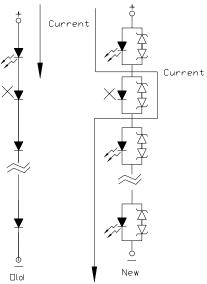
CPN: Customer's Production Number P/N : Production Number QTY: Packing Quantity CAT: Ranks of Luminous and Forward Voltage HUE: Ranks of Dominant Wavelength REF: Reference LOT No: Lot Number MADE IN TAIWAN: Production Place



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Notes

- 1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
- 2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
- 3. These specification sheets include materials protected under copyright of EVERLIGHT corporation. Please don't reproduce or cause anyone to reproduce them without EVERLIGHT's consent.
- 4. Below the zener reference voltage Vz, all the current flows through LED and as the voltage rises to Vz, the zener diode "breakdown." If the voltage tries to rise above Vz current flows through the zener branch to keep the voltage at exactly Vz.
- 5. When the LED is connected using serial circuit, if either piece of LED is no light up but current can't flow through causing others to light down. In new design, the LED is parallel with zener diode. if either piece of LED is no light up but current can flow through causing others to light up.



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6. Soldering Condition

Careful attention should be paid during soldering. When soldering, leave more then 3mm from solder joint to case, and soldering beyond the base of the tie bar is recommended.

Avoiding applying any stress to the lead frame while the LEDs are at high temperature particularly when soldering.

Recommended soldering conditions:

Hand Soldering		DIP Soldering		
Temp. at tip of iron	400°C Max. (30W Max.)	Preheat temp.	100°C Max. (60 sec Max.)	
Soldering time	3 sec Max.	Bath temp.	265 Max.	
Distance	3mm Min.(From solder	Bath time.	5 sec Max.	
	joint to case)			
		Distance	3mm Min.	

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