

## **Features**

- 0805 1.1mm SMD LED
- High Brightness
- AllnGaP / InGaN Technology
- Small package
- High reliability
- Clear Lens

# **Applications**

- Consumer Electronics
- Wearables
- Automobile After Market
- Industrial Equipment

# **Description**

The IN-S85TBS5R5G5B is a tri-color 0805 side view package with versatile design capabilities. It is a PCB type molding style LED which can be used in various applications.

## **Recommended Solder Pattern**

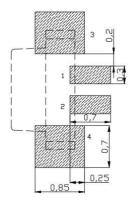
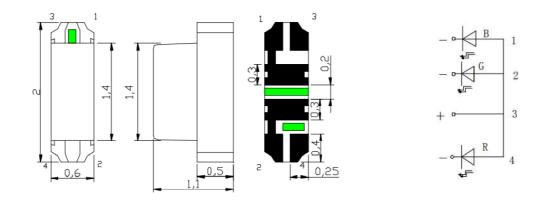


Figure 1. IN-S85TBS5R5G5B Solder Pattern

# Package Dimensions in mm



## Notes.

- 1. All dimensions are in millimeters.
- 2. Tolerance is ± 0.10 mm unless otherwise noted

Figure 2. IN-S85TBS5R5G5B Package Dimensions



# Absolute Maximum Rating at 25°C (Note 1)

Product	Emission Color	P <sub>d</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> * (mA)	V <sub>R</sub> (V)	Top (°C)	T <sub>ST</sub> (°C)
	Red	65		70			
IN- S85TBS5R5G5B	Green	90	25	90	5	-30°C~+85°C	-40°C~+90°C
	Blue	90		90			

#### **Notes**

1. Condition for IFP is pulse of 1/10 duty and 0.1msec width

## **ESD Precaution**

ATTENTION: Electrostatic Discharge (ESD) protection



The symbol above denotes that ESD precaution is needed. ESD protection for GaP and AlGaAs based chips is necessary even though they are relatively safe in the presence of low static-electric discharge. Parts built with AllnGaP, GaN, or/and InGaN based chips are STATIC SENSITIVE devices. ESD precaution must be taken during design and assembly.

If manual work or processing is needed, please ensure the device is adequately protected from ESD during the process.

Please be advised that normal static precautions should be taken in the handling and assembly of this device to prevent damage or degradation which may be induced by electrostatic discharge (ESD).

## **Electrical Characteristics** $T_A = 25\%$ (Note 1)

			V <sub>F</sub> (	V)		λ(nm)		Viewing Angle	I <sup>*</sup> ∨(mcd)
Product	Emission Color	I <sub>F</sub> (mA)	typ.	max	$\lambda_{D}$	λ <sub>P</sub>	Δλ	<b>2θ</b> 1/2	typ.
	Red	5	2.0	2.4	622	630	20	120	30
IN- S85TBS5R5G5B	Green	5	2.8	3.2	518	523	30	120	200
	Blue	5	2.8	3.2	467	460	25	120	30

#### Notes

1. Performance guaranteed only under conditions listed in above tables.



Luminous Intensity (Iv) Bin:

` <u> </u>		
Color	Bin Code	Spec. Range
	H1 H2 G1 M1 M2 N1 H1 H2 G1	28.5-35.0 mcd
Red	H2	35.0-45.0 mcd
	G1	45.0-56.0 mcd
	M1	180.0-230.0 mcd
Green	M2	230.0-285.0 mcd
	N1	285.0-350.0 mcd
	H1	28.5-35.0 mcd
Blue	H2	35.0-45.0 mcd
	G1	45.0-56.0 mcd

Note: It maintains a tolerance of ±10% on luminous intensity

### **Color Bin:**

Color	Bin Code	Spec. Range
	A	615-620 nm
Red	В	620-625 nm
	С	625-630 nm
	С	517-521 nm
Green	D	521-525 nm
	E	525-529 nm
	Α	460-464 nm
Blue	В	464-468 nm
	С	468-472 nm

Note: It maintains a tolerance of ±0.5nm on color

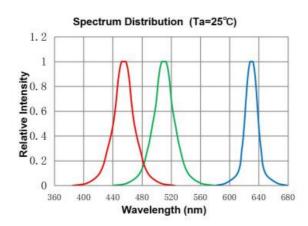
Forward Voltage (Vf) Bin:

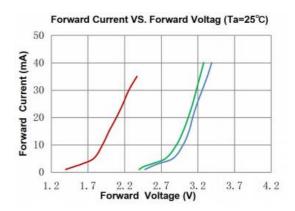
. <u>, =</u>		
Color	Bin Code	Spec. Range
Red	1	1.8-2.0 V
	2	2.0-2.2 V
	4	2.5-2.7 V
Green	5	2.7-2.9 V
	6	2.9-3.1 V
Blue	4	2.5-2.7 V
Diac	5	2.7-2.9 V
	6	2.9-3.1 V

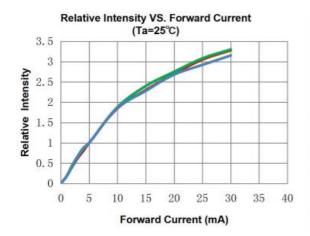
Note: It maintains a tolerance of ±0.05V on forward voltage measurements

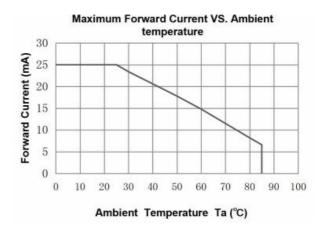


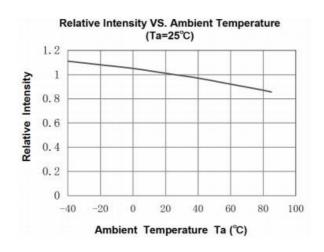
# Typical Characteristic Curves - R,G,B





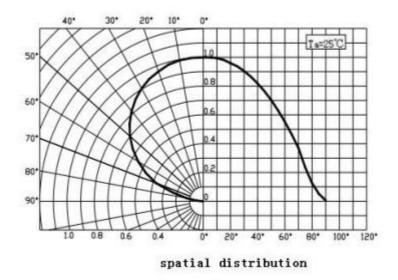








# **Typical Characteristic Curves – Radiation Pattern**

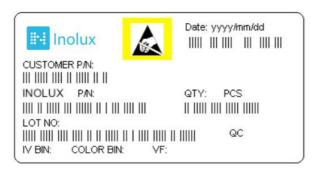


# **Ordering Information**

Product	Emission Color	Test Current I <sub>F</sub> (mA)	Luminous Intensity I <sub>V</sub> (mcd) (Typ.)	Forward Voltage V <sub>F</sub> (V) (Typ.)	Orderable Part Number
	Red	5	35	2.0	
IN-S85TBS5R5G5B	Green	5	230	2.8	IN-S85TBS5R5G5B
	Blue	5	35	2.8	



# **Label Specifications**



# Inolux P/N:

I	N	-	S	8	5	Т	В	S	5	R	5	G	5	В	-		-
			Material	Pacl	kage	Varia	ation	Orientation	Current	Color	Current	Color	Current	Color		Customize Stamp-of	ed f
	blux MD		S = PCB Type	2.0		¯B = x 1.1n	nm	S= Side Mount	5 = 5mA	R= 625nm	5 = 5mA	G= 525nm	5 = 5mA	B= 464nm		-	

3

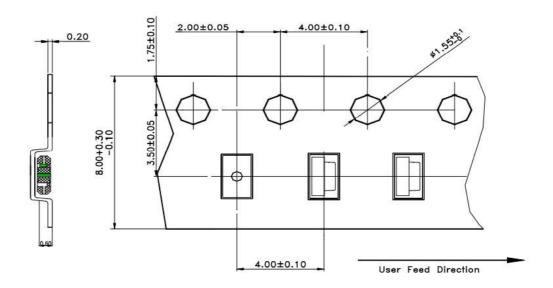
## Lot No.:

Z	2	0	1	7	01	24	001
Internal		Year (2017	2019 \		Month	Date	Serial
Tracker		Teal (2017)	, 2016,)		WOITH	Date	Seriai

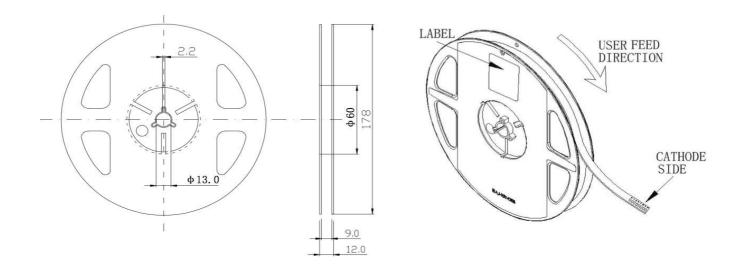


# Packaging Information: 3000pcs Per Reel

# **Tape Dimension**

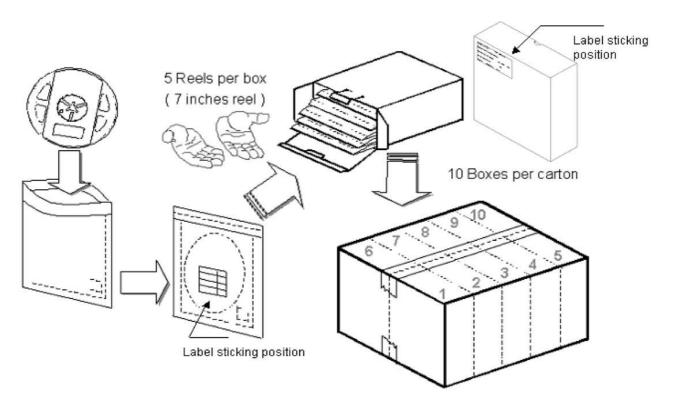


# **Reel Dimension**





# **Packing Dimension**



5 boxes per carton are available depending on shipment quantity.

	Specification	Material	Quantity
Carrier tape	Per EIA 481-1A specs	Conductive black tape	3000pcs per reel
Reel	Per EIA 481-1A specs	Conductive black	
Label	IN standard	Paper	
Packing bag	220x240mm	Aluminum laminated bag/ no-zipper	One reel per bag
Carton	IN standard	Paper	Non-specified
Othora	<u> </u>	·	

Others:
Each immediate box consists of 5 reels. The 5 reels may not necessarily have the same lot number or the same bin combinations of Iv,  $\lambda_D$  and Vf. Each reel has a label identifying its specification; the immediate box consists of a product label as well.

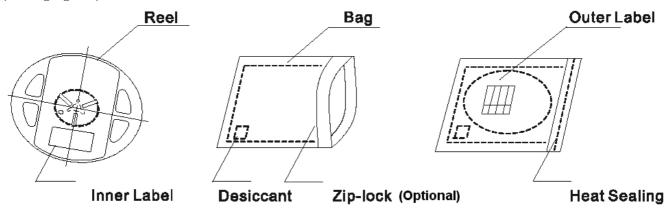


# **Dry Pack**

All SMD optical devices are **MOISTURE SENSITIVE**. Avoid exposure to moisture at all times during transportation or storage. Every reel is packaged in a moisture protected anti-static bag. Each bag is properly sealed prior to shipment.

Upon request, a humidity indicator will be included in the moisture protected anti-static bag prior to shipment.

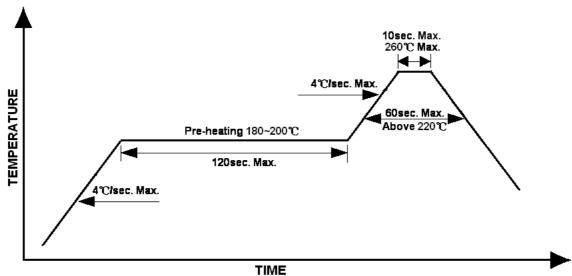
The packaging sequence is as follows:



# **Reflow Soldering**

- Recommended tin glue specifications: melting temperature in the range of 178~192 °C
- The recommended reflow soldering profile is as follows (temperatures indicated are as measured on the surface of the LED resin):

## Lead-free Solder Profile





## **Precautions**

- Avoid exposure to moisture at all times during transportation or storage.
- Anti-Static precaution must be taken when handling GaN, InGaN, and AllnGaP products.
- It is suggested to connect the unit with a current limiting resistor of the proper size. Avoid applying a reverse voltage.
- Avoid operation beyond the limits as specified by the absolute maximum ratings.
- Avoid direct contact with the surface through which the LED emits light.
- If possible, assemble the unit in a clean room or dust-free environment.

## Reworking

- Rework should be completed within 5 seconds under 260 °C.
- The iron tip must not come in contact with the copper foil.
- Twin-head type is preferred.

## Cleaning

Following are cleaning procedures after soldering:

- An alcohol-based solvent such as isopropyl alcohol (IPA) is recommended.
- Temperature x Time should be 50°C x 30sec. or <30°C x 3min</li>
- Ultra sonic cleaning: < 15W/ bath; bath volume ≤ 1liter
- Curing: 100 °C max, <3min

## **Cautions of Pick and Place**

- Avoid stress on the resin at elevated temperature.
- Avoid rubbing or scraping the resin by any object.
- Electro-static may cause damage to the component. Please ensure that the equipment is properly grounded. Use of an ionizer fan is recommended.





Reliability

Resistance to soldering heat $ \begin{array}{c} \text{CNS-5067} & \text{Dipping soldering terminal only} \\ \text{Soldering bath temperature} \\ \text{A: } 260+\text{/-}5^{\circ}\text{C; } 10+\text{/-}1\text{s} \\ \text{B: } 350+\text{/-}10^{\circ}\text{C; } 3+\text{/-}0.5\text{s} \\ \end{array} \\ \text{Operating life test} & \text{CNS-11829} & \text{1.) Precondition: } 85^{\circ}\text{C baking for 24hrs} \\ \text{Operating life test} & \text{S0\%/R.H. for 168hrs} \\ \text{2.) Tamb25^{\circ}\text{C; IF=20mA; duration 1000hrs} \\ \text{High humidity,} \\ \text{high temperature} \\ \text{bias} & \text{IQ/ 1/ 45/ 0} & \text{JESD-A101-B} & \text{Tamb: } 85^{\circ}\text{C} \\ \text{Humidity: } 85^{\circ}\text{R.H., IF=5mA} \\ \text{Duration: 1000hrs} \\ \text{High temperature} \\ \text{bias} & \text{IQ/ 1/ 20} & \text{IN specs.} & \text{Tamb: } 55^{\circ}\text{C} \\ \text{IF=20mA} \\ \text{Duration: 1000hrs} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Pulse life test} & \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{Tamb25^{\circ}\text{C, If=20mA, Ip=100mA, Duty}} \\ \text{Tamb25^{\circ}\text{C, If=20mA, Ip=100mA, Duty}} \\ \text{Tamb25^{\circ}\text{C, If=20mA}} \\ \text{Tamb25^{\circ}\text{C, If=20mA, Ip=100mA, Duty}} \\ \text{Tamb25^{\circ}\text{C, If=20mA}} \\ \text{Tamb25^{\circ}$	anability			
Precondition   For all reliability   Precondition   For all reliability   Precondition   For all reliability   D-STD-020   1.) Baking at 85°C for 24hrs   2.) Moisture storage at 85°C / 60% R.H. for 168hrs   2.) Moisture storage at 85°C / 60% R.H. for 168hrs   And CNS-5068   Accelerated aging 155°C / 24hrs   Tinning speed: 2.5+0.5cm/s   Tinning: A: 215°C / 3+1s or B: 260°C / 10+1s   Tinning: A: 215°C / 3+1s or B: 260°C / 10+1s   Dipping soldering terminal only   Soldering bath temperature   A: 260+/-5°C; 10+/-1s   B: 350+/-10°C; 3+/-0.5s   Dipping soldering terminal only   Soldering bath temperature   S5°C baking for 24hrs   85°C / 60% R.H. for 168hrs   2.) Tamb25°C; IF=20mA; duration 1000hrs   Tamb: 85°C   Humidity: 85% R.H., IF=5mA   Duration: 1000hrs   Tamb: 55°C   IF=20mA   Duration: 1000hrs   Tamb: 55°C   IF=20mA   Duration: 1000hrs   Tamb25°C, If=20mA, Ip=100mA, Duty   Cycle=0.125 (tp=125 μ s,T=1sec)   Ta	Itom	Frequency/ lots/ samples/	Standards	Conditions
Precondition	ILEIII			
Solderability			J-STD-020	1.) Baking at 85°C for 24hrs
Solderability	Precondition	monitoring tests according		2.) Moisture storage at 85°C/ 60% R.H. for
Solderability  And CNS-5068  Tinning speed: $2.5+0.5$ cm/s Tinning: A: $215^{\circ}$ C/ $3+1$ s or B: $260^{\circ}$ C/ $10+1$ s  CNS-5067  Dipping soldering terminal only Soldering bath temperature A: $260+/-5^{\circ}$ C; $10+/-1$ s B: $350+/-10^{\circ}$ C; $3+/-0.5$ s  Operating life test  1Q/ 1/ 40/ 0  CNS-11829  1.) Precondition: $85^{\circ}$ C baking for $24$ hrs 85°C/ $60\%$ R.H. for $168$ hrs 2.) Tamb25°C; IF=20mA; duration $1000$ hrs  High humidity, high temperature bias  High temperature bias  1Q/ 1/ 20  IN specs.  Tamb: $85^{\circ}$ C IF=20mA Duration: $1000$ hrs  Tamb: $95^{\circ}$ C IF=20mA Duration: $1000$ hrs  1Q/ 1/ 40/ 0  Tamb25°C, If=20mA,, Ip=100mA, Duty cycle=0.125 (tp=125 $\mu$ s,T=1sec)				168hrs
Tinning: A: $215^{\circ}\text{C}/3+1\text{s}$ or B: $260^{\circ}\text{C}/10+1\text{s}$ Resistance to soldering heat  CNS-5067  Dipping soldering terminal only Soldering bath temperature A: $260+/-5^{\circ}\text{C}$ ; $10+/-1\text{s}$ B: $350+/-10^{\circ}\text{C}$ ; $3+/-0.5\text{s}$ 1Q/ 1/ 40/ 0  CNS-11829  1.) Precondition: $85^{\circ}\text{C}$ baking for 24hrs $85^{\circ}\text{C}/60^{\circ}\text{R.H.}$ for $168\text{hrs}$ 2.) Tamb25 $^{\circ}\text{C}$ ; IF=20mA; duration 1000hrs  High humidity, high temperature bias  High temperature bias  1Q/ 1/ 20  IN specs.  Tamb: $55^{\circ}\text{C}$ IF=20mA Duration: $1000\text{hrs}$ Tamb25 $^{\circ}\text{C}$ , If=20mA, Ip=100mA, Duty cycle=0.125 (tp=125 $\mu$ s,T=1sec)		1Q/ 1/ 22/ 0	JESD22-B102-B	Accelerated aging 155°C/ 24hrs
Resistance to soldering heat $ \begin{array}{c} \text{CNS-5067} & \text{Dipping soldering terminal only} \\ \text{Soldering bath temperature} \\ \text{A: } 260+\text{/-}5^{\circ}\text{C; } 10+\text{/-}1\text{s} \\ \text{B: } 350+\text{/-}10^{\circ}\text{C; } 3+\text{/-}0.5\text{s} \\ \end{array} \\ \text{Operating life test} & \begin{array}{c} \text{IQ/ } 1/ 40/ 0 \\ \text{Operating life test} \\ \end{array} & \begin{array}{c} \text{III}  \text{Precondition: } 85^{\circ}\text{C} \text{ baking for 24hrs} \\ 85^{\circ}\text{C/ } 60\%\text{R.H. for 168hrs} \\ 2.)  \text{Tamb25^{\circ}\text{C; } IF=20mA; duration 1000hrs} \\ \text{High humidity,} \\ \text{high temperature} \\ \text{bias} \\ \end{array} & \begin{array}{c} \text{IQ/ } 1/ 45/ 0 \\ \text{High temperature} \\ \text{bias} \\ \end{array} & \begin{array}{c} \text{IIII}  \text{Specs.} \\ \end{array} & \begin{array}{c} \text{Tamb: } 85^{\circ}\text{C} \\ \text{Humidity: } 85\%\text{ R.H., IF=5mA} \\ \text{Duration: 1000hrs} \\ \end{array} \\ \text{High temperature} \\ \text{bias} \\ \end{array} & \begin{array}{c} \text{IIII}  \text{Specs.} \\ \end{array} & \begin{array}{c} \text{Tamb: } 55^{\circ}\text{C} \\ \text{IF=20mA} \\ \text{Duration: 1000hrs} \\ \end{array} \\ \text{Pulse life test} \\ \end{array} & \begin{array}{c} \text{IQ/ } 1/ 40/ 0 \\ \end{array} & \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \end{array} \\ \text{CNS-11829} \\ \end{array} & \begin{array}{c} \text{IIII}  \text{Specs.} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{IIII}  \text{Specs.} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array} \\ \begin{array}{c} \text{Tamb25^{\circ}\text{C, If=20mA,, Ip=100mA, Duty}} \\ \text{CNS-11829} \\ \end{array}$	Solderability		And CNS-5068	Tinning speed: 2.5+0.5cm/s
Resistance to soldering heat $ \begin{array}{c} \text{Soldering bath temperature} \\ \text{A: } 260+/-5^{\circ}\text{C}; \ 10+/-1\text{s} \\ \text{B: } 350+/-10^{\circ}\text{C}; \ 3+/-0.5\text{s} \\ \end{array} \\ \text{Operating life test} \\ \begin{array}{c} \text{IQ/ 1/ 40/ 0} \\ \text{Operating life test} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 40/ 0} \\ \text{Operating life test} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 40/ 0} \\ \text{Operating life test} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 45/ 0} \\ \text{High humidity,} \\ \text{high temperature} \\ \text{bias} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 45/ 0} \\ \text{High temperature} \\ \text{bias} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 20} \\ \text{IN specs.} \\ \end{array} \begin{array}{c} \text{IN specs.} \\ \end{array} \begin{array}{c} \text{Tamb: } 85^{\circ}\text{C} \\ \text{Humidity: } 85^{\circ}\text{R.H., IF=5mA} \\ \text{Duration: } 1000\text{hrs} \\ \end{array} \\ \text{IP=20mA} \\ \text{Duration: } 1000\text{hrs} \\ \end{array} \\ \begin{array}{c} \text{IQ/ 1/ 40/ 0} \\ \text{Pulse life test} \\ \end{array} \begin{array}{c} \text{IQ/ 1/ 40/ 0} \\ \end{array} \begin{array}{c} \text{IN specs.} \\ \end{array} \begin{array}{c} \text{Tamb: } 55^{\circ}\text{C} \\ \text{IF=20mA, Ip=100mA, Duty} \\ \text{cycle=0.125 } \text{(tp=125} \mu \text{ s,T=1sec)} \\ \end{array}$				Tinning: A: 215°C/ 3+1s or B: 260°C/ 10+1s
soldering heat $\begin{array}{c ccccccccccccccccccccccccccccccccccc$			CNS-5067	Dipping soldering terminal only
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Resistance to			Soldering bath temperature
Operating life test $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	soldering heat			A: 260+/-5°C; 10+/-1s
Operating life test $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				B: 350+/-10°C; 3+/-0.5s
High humidity, high temperature bias		1Q/ 1/ 40/ 0	CNS-11829	
High humidity, high temperature bias $1Q/1/45/0$ JESD-A101-BTamb: 85°C Humidity: 85% R.H., IF=5mA Duration: 1000hrsHigh temperature bias $1Q/1/20$ IN specs.Tamb: 55°C IF=20mA Duration: 1000hrs1Q/1/40/0Tamb25°C, If=20mA,, Ip=100mA, Duty cycle=0.125 (tp=125 $\mu$ s,T=1sec)	Operating life test			85°C/ 60%R.H. for 168hrs
high temperature bias	.			2.) Tamb25°C; IF=20mA; duration 1000hrs
bias         Duration: 1000hrs           High temperature bias         1Q/ 1/ 20         IN specs.         Tamb: 55°C IF=20mA Duration: 1000hrs           1Q/ 1/ 40/ 0         Tamb25°C, If=20mA,, Ip=100mA, Duty cycle=0.125 (tp=125 μ s,T=1sec)	High humidity,	1Q/ 1/ 45/ 0	JESD-A101-B	Tamb: 85°C
High temperature bias $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	high temperature			Humidity: 85% R.H., IF=5mA
High temperature bias	bias			Duration: 1000hrs
bias   Duration: 1000hrs   Tamb25°C, If=20mA, Ip=100mA, Duty   Pulse life test   Cycle=0.125 (tp=125 μ s,T=1sec)	Liab tamanayatıya	1Q/ 1/ 20	IN specs.	Tamb: 55°C
Duration: 1000nrs  1Q/ 1/ 40/ 0  Tamb25°C, If=20mA,, Ip=100mA, Duty cycle=0.125 (tp=125 μ s,T=1sec)				IF=20mA
Pulse life test cycle=0.125 (tp=125 $\mu$ s,T=1sec)	Dias			Duration: 1000hrs
Pulse life test cycle=0.125 (tp=125 $\mu$ s,T=1sec)		1Q/ 1/ 40/ 0		Tamb25°C, If=20mA,, Ip=100mA, Duty
	Pulse life test			cycle=0.125 (tp=125 $\mu$ s,T=1sec)
I Duration Sources				Duration 500hrs)
		1Q/ 1/ 76/ 0	JESD-A104-A	A cycle: -40 degree C 15min; +85 degree C
IFC 68-2-14 Nb 15min				
Thermal steady within 5 min				_
cycle 300 cycles	cycle			
2 chamber/ Air-to-air type				
High humidity 1Q/ 1/ 40/ 0 CNS-6117 60+3°C	High humidity	1Q/ 1/ 40/ 0	CNS-6117	
storage test 90+5/-10% R.H. for 500hrs				
High temperature   1Q/ 1/ 40/ 0   CNS-554   100+10°C for 500hrs		1Q/ 1/ 40/ 0	CNS-554	
storage test				
Low temperature 1Q/ 1/ 40/ 0 CNS-6118 -40+5°C for 500hrs		1Q/ 1/ 40/ 0	CNS-6118	-40+5°C for 500hrs
storage test				



# IN-S85TBS5R5G5B Side View SMD LED 0805 PCB Type

**Revision History** 

Changes since last revision	Page	Version No.	Revision Date
Initial Release		V1.0	12-02-2021

## **DISCLAIMER**

INOLUX reserves the right to make changes without further notice to any products herein to improve reliability, function or design. INOLUX does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights, nor the rights of others.

## LIFE SUPPORT POLICY

INOLUX's products are not authorized for use as critical components in life support devices or systems without the express written approval of the President of INOLUX or INOLUX CORPORATION. As used herein:

2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

<sup>1.</sup> Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.