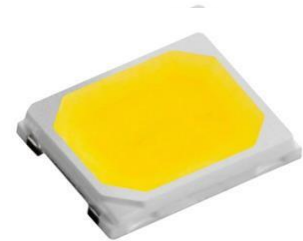




Datasheet No.156U SMD LED KLSL2835X 0.5W 150mA UVA UVB LEDS

Features

- Popular 2835W Package with Thermal pad
- Wide Viewing angle
- Suitable for Reflow Solder Process & SMT Assembly
- Available on Tape and Reel
- RoHS compliant (RoHS)

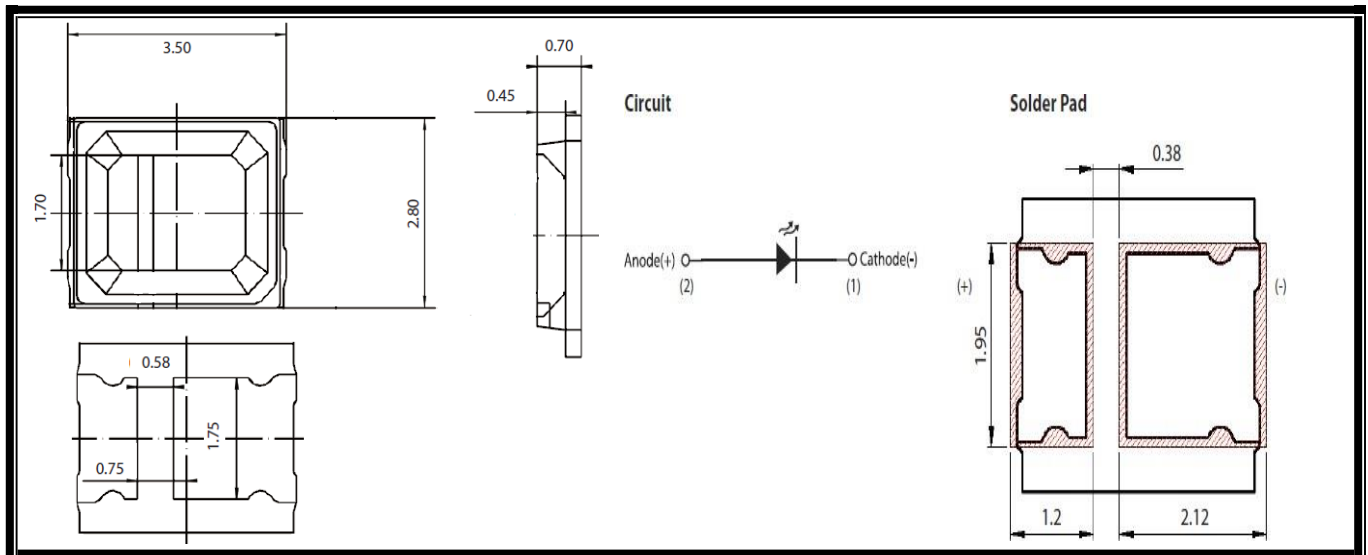


Description:

The LEDchip Indus LED-KLSL2835W 0.5W is ideal for all lighting applications This package has high efficiency, low power consumption, wide viewing angle and ideal power factor.

Applications

- Indore & outdoor Lighting
- Entertainment & Decorative Lighting



Electrical/ Optical Characteristics At Ta =25 °C At 150mA

Part No.	Chip Die Emission	Watt	mW	Wavelength WL nm	IF	VF
			Typ	Typ	Typ	Typ
KLSL2835U385	UV LED	0.5W	200-204	385-390nm	150mA	3v
KLSL2835U400	UV LED	0.5W	200-220	400-405nm	150mA	3V
KLSL2835U425	UV LED	0.5W	210-220	420-425nm	150mA	3V
KLSL2835U455	UV LED	0.5W	220-240	452-455nm	150mA	3V

Note:

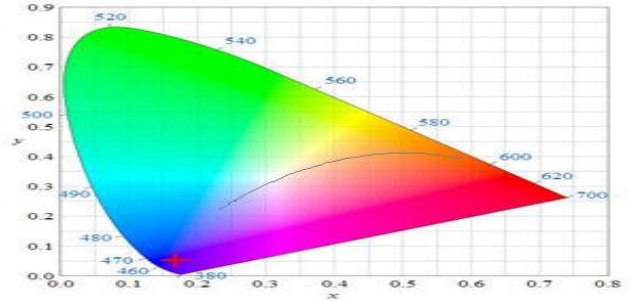
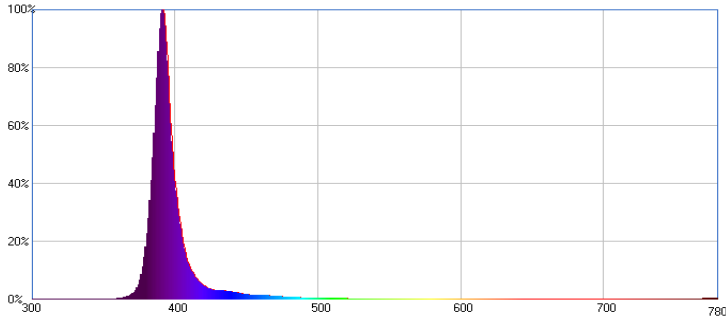
- The Luminous Flux performance is guaranteed with in prescribed operating conditions
- LEDchip Indus Pvt Ltd maintains the following tolerances $\pm 11\%$ on Flux, $\pm 2\%$ for CRI.

Absolute Maximum Ratings (Ta=25°C) 150mA

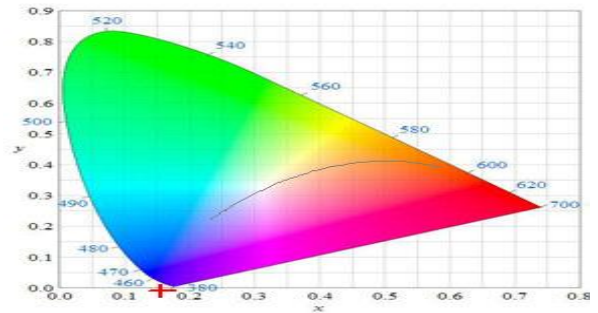
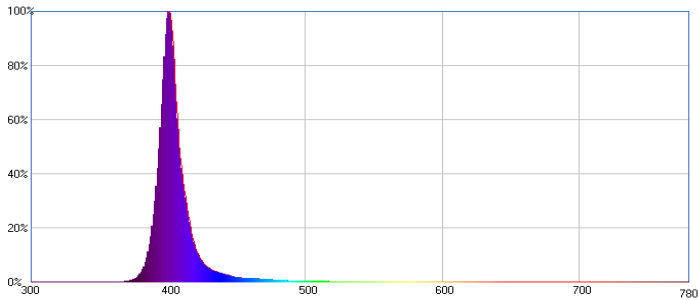
Parameter	Symbol	Value	Units
Forward Current	I_F	150	mA
Pulse Forward Current	I_{pulse}	200	mA
Reverse Current	I_R	10	μA
Reverse Voltage	V_R	5	V
Operating temperature	-	-40~+85	°C
Storage Temperature	-	-40~+125	°C
LED Junction Temperature	T_j	125	°C
ESD Sensitivity (HBM)	V_B	2000	V
Soldering temperature	T_s	Reflow Soldering : 255~260°C/10~30sec Manual Soldering : 350 °C/3sec	

Characteristic Curves

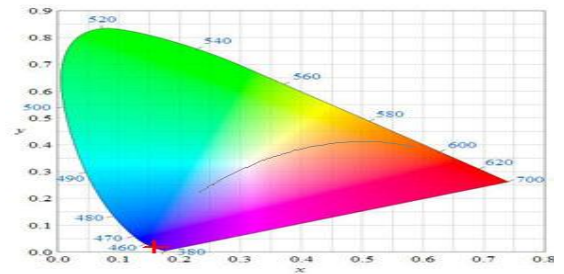
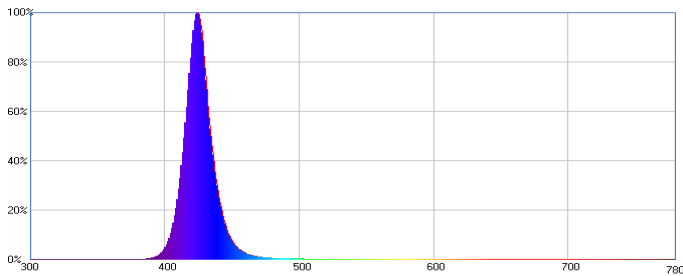
2835UV 380-391nm



2835UV 400-402nm



2835UV 422-425nm



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LCD5/KLSL2835X LED 0.5W150mA/ Rev01 Dt.8.7.20 filename: DS156UV UVLEDKLSL2835X 0.5W150mA UVA UVB LED