

Technical Data Sheet

MODEL NO: 195UR/ANB4

0605Package 1.6*1.5mm Chip LEDs

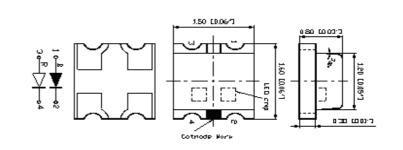
Features : Package in 8mm tape on 7 " diameter reel

Compatible with automatic placement equipment Compatible with reflow solder process

Applications :

Indicators

Automotive : backlighting in dashboard and switch Backlight for LCD



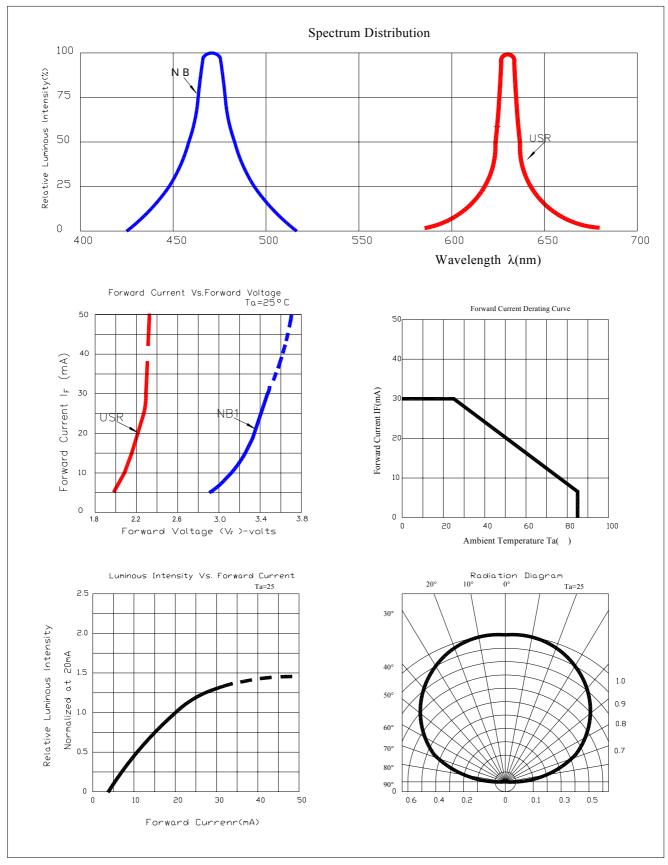
Electrical/Optical Characteristics(Ta=25)

Chip			Lana	Absolute Maximun Rating			Electro-optical Data(20mA)			Viewing	
Emitted	Р	D	Lens Appearance		Pd	lf	lf Vf(V)		lv(mcd)		Angle
Color	(nm)	(nm)		(nm)	(mW)	(mA)	Тур.	Max.	Min.	Тур.	2 1/2(deg)
Blue	469	470	Water Clear	20	78	20	3.1	3.5	22.5	47	120
Red	629	630	water Clear	25	68	20	2	2.3	45	80	120

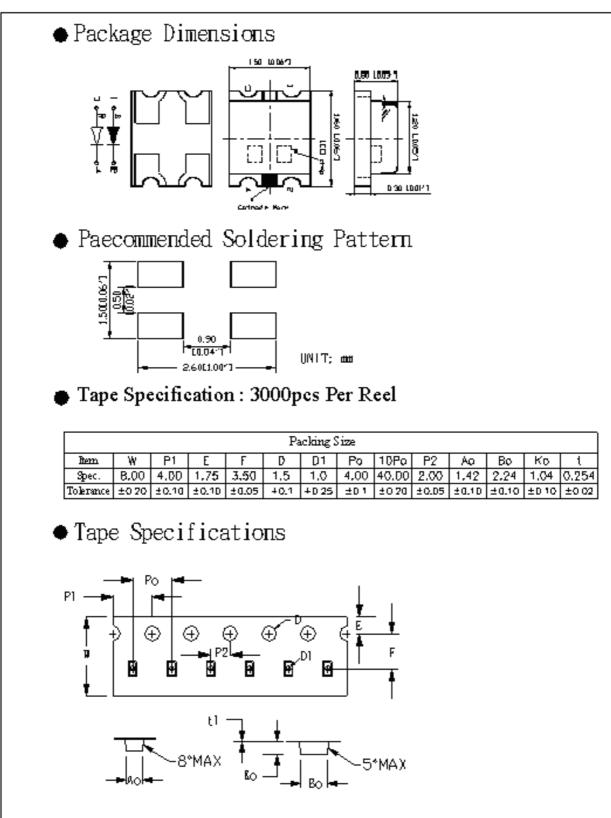
Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Maximum	Unit
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	IF(Peak)	100	mA
Continuous Forward Current	١F	30	mA
Reverse Voltage	VR	5	V
Derivation Linear From 25		0.3	mA/
Operating Temperature Range	Topr	-30 to +80	
Storage Temperature Range	Tstg	-40 to +90	

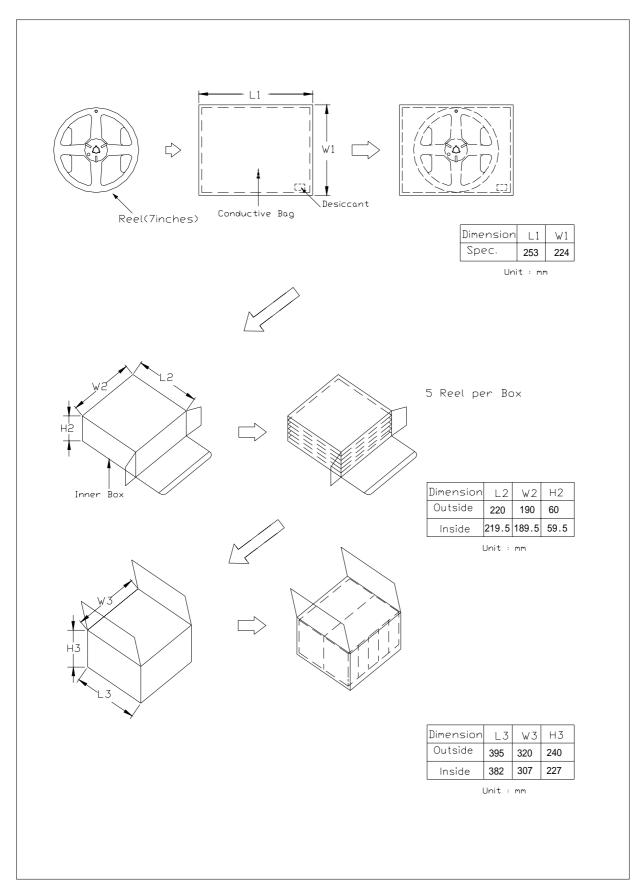












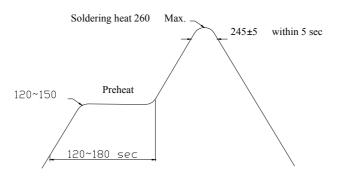


Descriptions :

- The Chip-LED Taping is much smaller than lead frame type components, thus enable smaller board size, higher packing density, reduced storage space and finally smaller equipment to be obtained.
- Besides, lightweight makes them ideal for miniature application, etc.

Soldering heat reliability (DIP):

Please refer to the following figure :



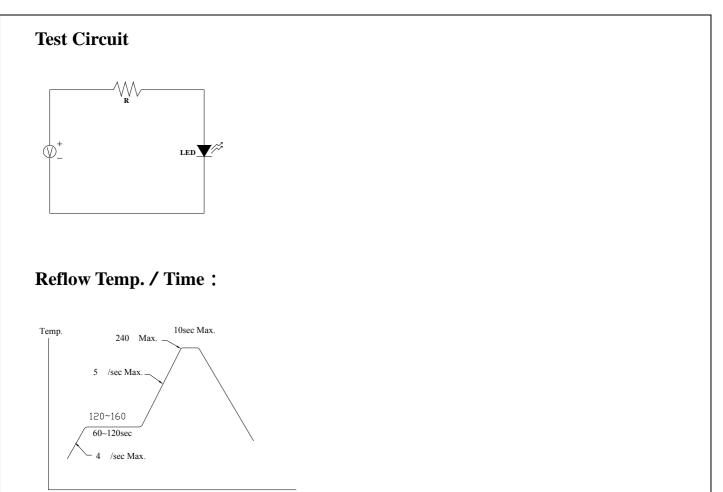
Precautions For Use :

• Over – current – proof

Customer must apply resistors for protection, otherwise slight voltage shift will cause big current change (Burn out will happen)

- Storage
- 1. The operation of temperature and R.H. are : 5 30 , 60% R.H. Max..
- 2. Once the package is opened, the products should be used within a week. Otherwise, they should be kept in a dampproof box with desiccating regent. Considering the tape life, we suggest our customers to use our products within 1.5 year (from production date).
- It's recommended to bake before soldering when the package is unsealed after 72 hrs. The condition is : 60 ±5 for 15 hrs.





Time

Reliability Test Items And Conditions

The reliability of products shall be satisfied with items listed below.

No.	Items	Test Condition	Test Hours/Cycles	Sample Size
1	Solder Heat	TEMP: 260 ±5	5 sec	48 pcs
2	Temperature Cycle	90 ~ 25 ~ -30 ~ 25 30m 5m 30m 5m	300Cycles	48 Pcs
3	Thermal Shock	100 ~ -55 10m 10m	100Cycles	48 Pcs
4	Operation Life	If=20mA	1000 Hrs	48 Pcs
5	High Temperature Storage	Temp:90	1000Hrs	48 Pcs
6	Low Temperature Storage	Temp:-30	1000Hrs	48 Pcs
7	High Temperature/High Humidity	80 / R.H80%	1000Hrs	48 Pcs