



YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO : 115UR/ANB4

1204Package 3.0*1.0mm 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

Dice material	Emitted color	Lens Color
AlGaInP/GaAs	Red	Water transparent
InGaN	Blue	

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol		Value			Unit
				Min	Typ	Max	
Wavelength at peak emission	If=2mA	λ peak	R	--	630	--	nm
			B	--	465	--	
Spectral half bandwidth	If=2mA	$\Delta \lambda$	R	--	18	--	nm
			B	--	35	--	
Dominant wavelength	If=2mA	λ dom	R	615	620	630	nm
			B	465	470	475	
Forward voltage	If=2mA	Vf	R	1.7	2.0	2.5	V
			B	2.5	2.8	3.4	
Luminous intensity	If=2mA	Iv	R	12.5	18	32	mcd
			B	12.5	22	40	
Viewing angle at 50% Iv	If=10mA	2θ 1/2		--	150	--	Deg
Reverse current	Vr=5V	Ir		--	--	10	μ A

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Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Value		Unit
		R	B	
Power dissipation	Pd	75	102	mW
Forward current	If	30		mA
Reverse voltage	Vr	5		V
Operating temperature range	Top	-40 ~ +80		°C
Storage temperature range	Tstg	-40 ~ +85		°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125		mA

PACKAGING DIMENSIONS

