

American Opto Plus LED L935NPWC

✤ HIGH LUMINOUS INTENSITY

✤ NON-PHOSPHOR WHITE

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Package Dimension

- ✤ 4 LEADED HIGH POWER
 - HIGH CURRENT OPERATION

HIGH POWER LED LAMP - WATER CLEAR

Feature

- High Luminous Intensity
- High Current Operation
- Low Profile
- Packaged in Tubes for Use with Automatic Pick and Place Equipment
- Meets JIS, SAE, ECE Automotive Color Requirements

Applications

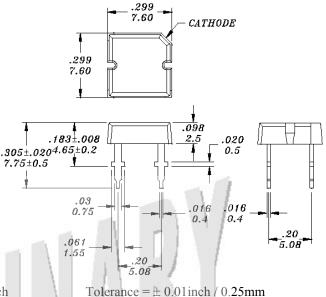
- Commercial Outdoor Sign Board
- Automotive Exterior Light
- Traffic Signal Light

Description

- These High Intensity LEDS are Based on InGaN/Sapphire Material Technology
- Water Transparent Lens

Packing

- Components will be conditioned in tubes of 60 parts exactly
- Tubes will be put in layers of 11 tubes each. One layer will contain only one CATEGORY / CLASS couple
- Layers will be conditioned in cardboard boxes, 10 layers each



ABSOLUTE MAXIMUM RATINGS

ABSOLUTE MAXIMUM RATINGS	(Ta=25°C)						
Parameter	Symbol	Max Rating	Unit				
Power Dissipation	PD	120	mW				
Pulse Forward Current (Duty = 0.1, 1KHz)	IPF	100	mA				
Forward Current	lF	30	mA				
Reverse Voltage	V _R	5.0	V				
Operating Temperature Range	T _{OPR}	-40 ~ +80	°C				
Storage Temperature Range	T _{STG}	-40 ~ +100	°C				
Lead Soldering Temperature [1.6mm (0.063inch) from body]: 260°C for 5 seconds							

OPTICAL-ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min	Тур	Мах	Unit
Luminous Intensity	Ιv	I _F = 20mA	280	470		mcd
Forward Voltage	VF	I _F = 20mA		3.5	4.0	V
Reverse Current	I _R	V _R = 5V			10	uA
Viewing Angle	201/2	I _F = 20mA		100		deg.
Chromaticity Coordinates	х	I _F = 20mA		0.31		
	Y			0.32		

Version 1.1 – Aug 2005 [PRELIMINARY]

By: SP1



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- ✤ HIGH CURRENT OPERATION

ELECTRICAL CHARACTERISTICS

(Ta=25°C)

Symbol		Iv	VF		Color	
Parameter	Lumino	us Intensity	Forward Voltage			
Condition	_F =	20mA	I _F = 20mA		I _F = 20mA	
Unit	1	mcd	V		Color Range	
Binning	Grade	Range	Grade	Range	Grade	
	Bin 1	280 - 390	Q0	2.5 - 3.0	W1	
	Bin 2	390 - 550	Q1	3.0 - 3.5	W2	
	Bin 3	550 - 770	Q2	3.5 - 4.0	W3	
					W4	
					W5	
					W6	
		121			W7	
					W8	
				1 1 1	W9	
					W10	
Intensity: Tolerance of r VF: Tolerance of minimu	um and max	$ximum = \pm 0.05$		127		
Color coordinates: Unc		0.01		1 1 4 4		

Notes: Static electricity and surge damages the LED. It is recommended to use an anti-static wrist band or anti-electrostatic glove when handling LEDs. All devices, equipment and machinery must be properly grounded.

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CHROMATICITY COORDINATES BINNING

