



NFCL-S11x16B Series Bi-Color Outdoor Lamp Cluster

Electro/Optical Characteristics If=20mA Ta=25°C

Part Number	Emitting Color	Peak Wavelength	Forward Voltage V _F /Dot		Luminous Intensity I _v /Dot		Viewing Angle
			Typ.	Max.	Min.	Typ.	
NFCL-S11x16BUE2PG2-506T	AlGaInP Ultra Orange	632	4.20	5.00		900.0*2	45
	InGaN Pure Green	525	6.60	7.60		5500.0*2	45
Units		nm	V		mcd		degree

Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UE	PG		Units
Pulse Forward Current Per Dot	0.1 duty cycle 0.1ms Pulse width	I _{FP}	100	100		mA
DC Forward Current Per Dot		I _F	30	30		mA
Reverse Current Per Dot	V _R =5V	I _R	10	10		μA
Power Dissipation		P _D	65*32	110*32		mW
Operating Temperature		T _{OPR}	-40 to +80			°C
Storage Temperature		T _{TSG}	-40 to +85			°C
Lead soldering temperature			260			°C

Checked	Chen N.H.	Approved	Jason Chen	Date	Dec/05/2006	PAGE 1/2
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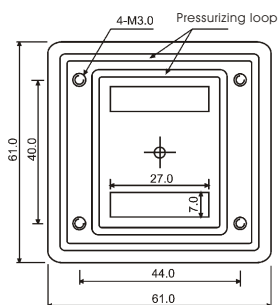
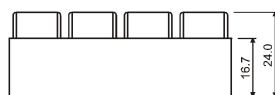
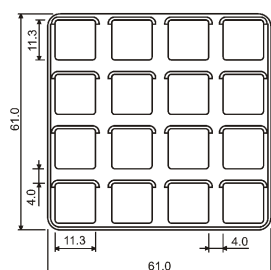


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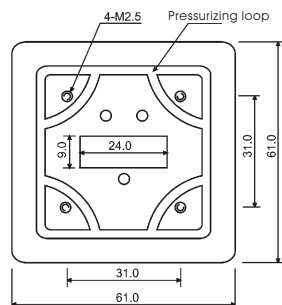
PACKAGE DIMENSION

INTERNAL CIRCUIT DIAGRAM

NFCL-S11X16A/B front

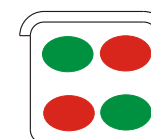


NFCL-S11X16A back



NFCL-S11X16B back

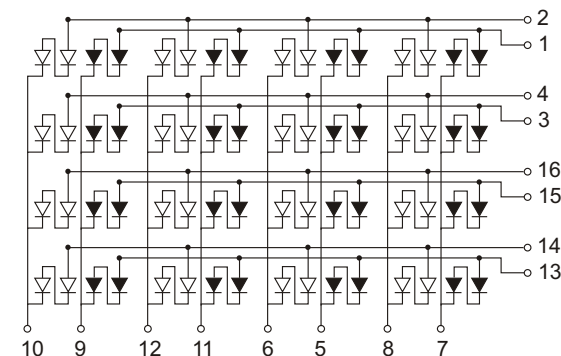
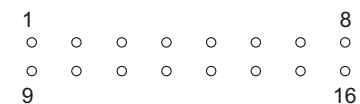
NFCL-S11x16A/BR2G2



RED

GREEN

See Pin Number From Lamp Front Side



Red Green

Tolerance $\pm 0.25\text{mm}$ unless stated