

Excellent Integrated System Limited

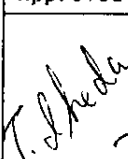
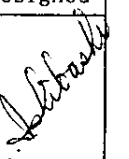
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

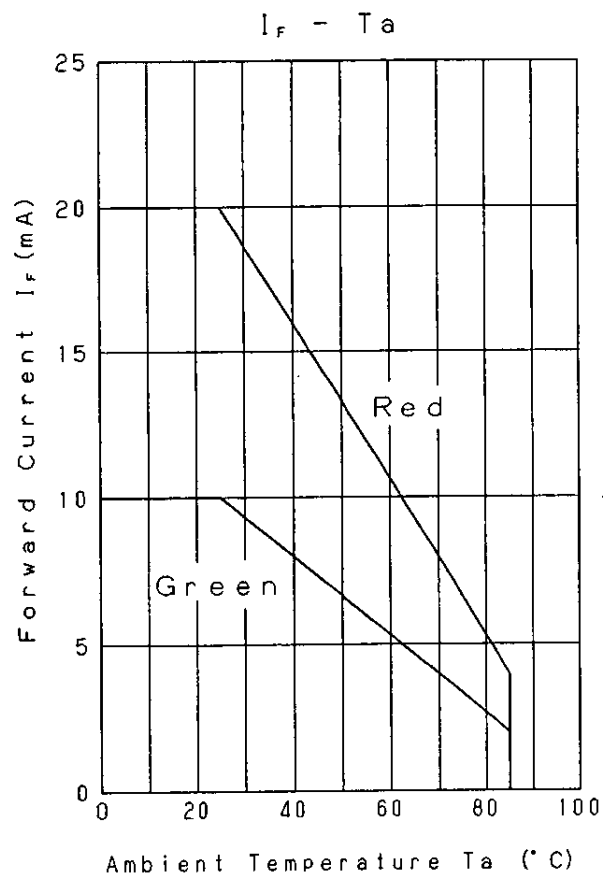
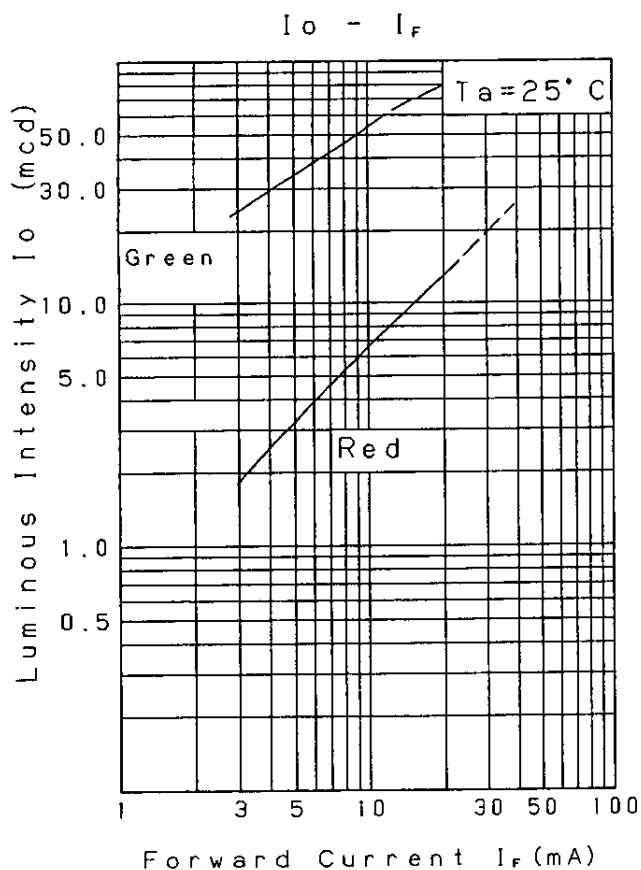
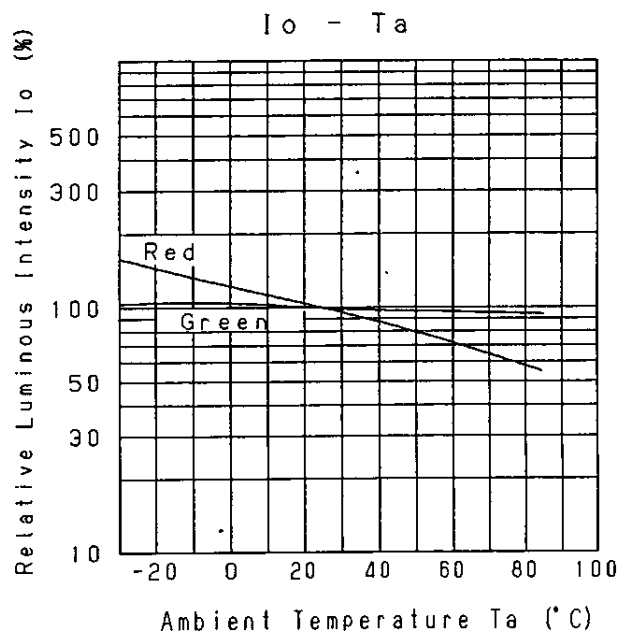
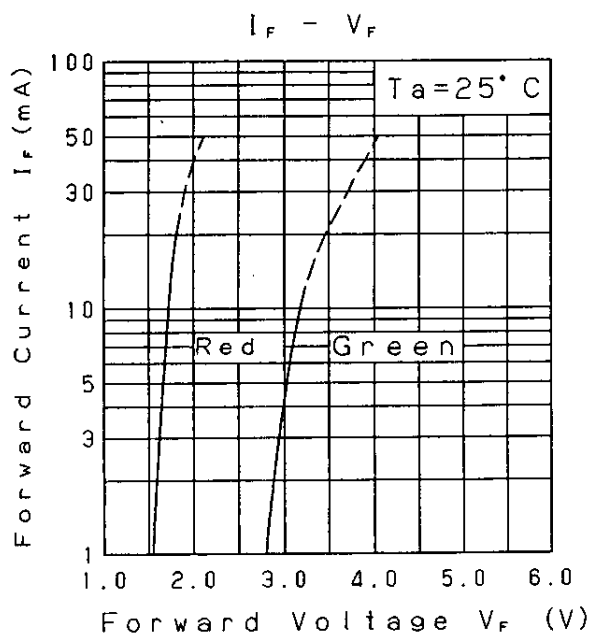
[Panasonic Electronic Components](#)
[LNJ115W86RA](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

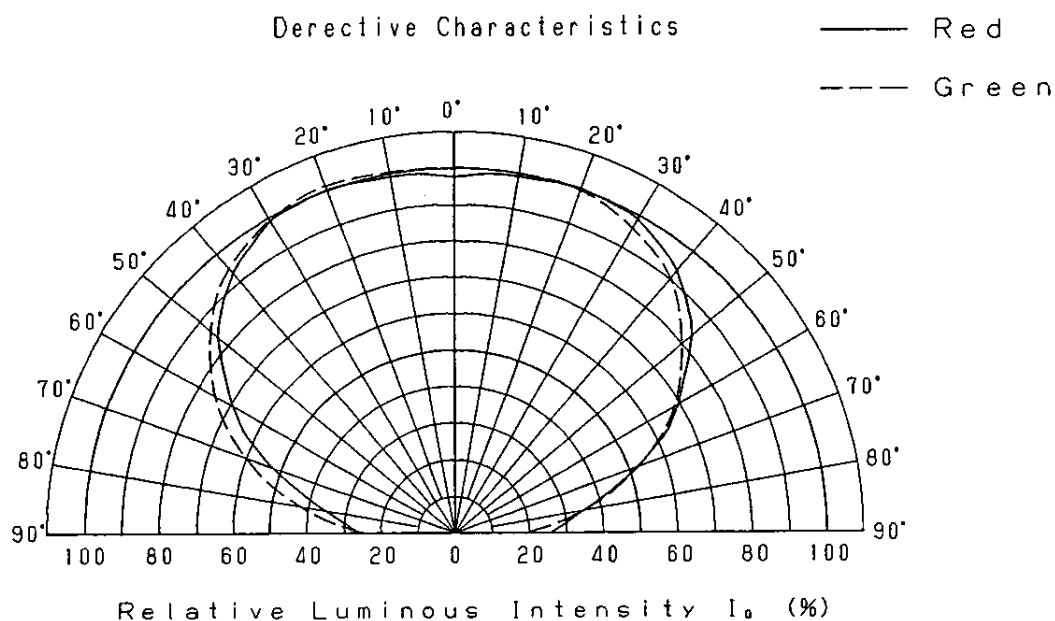
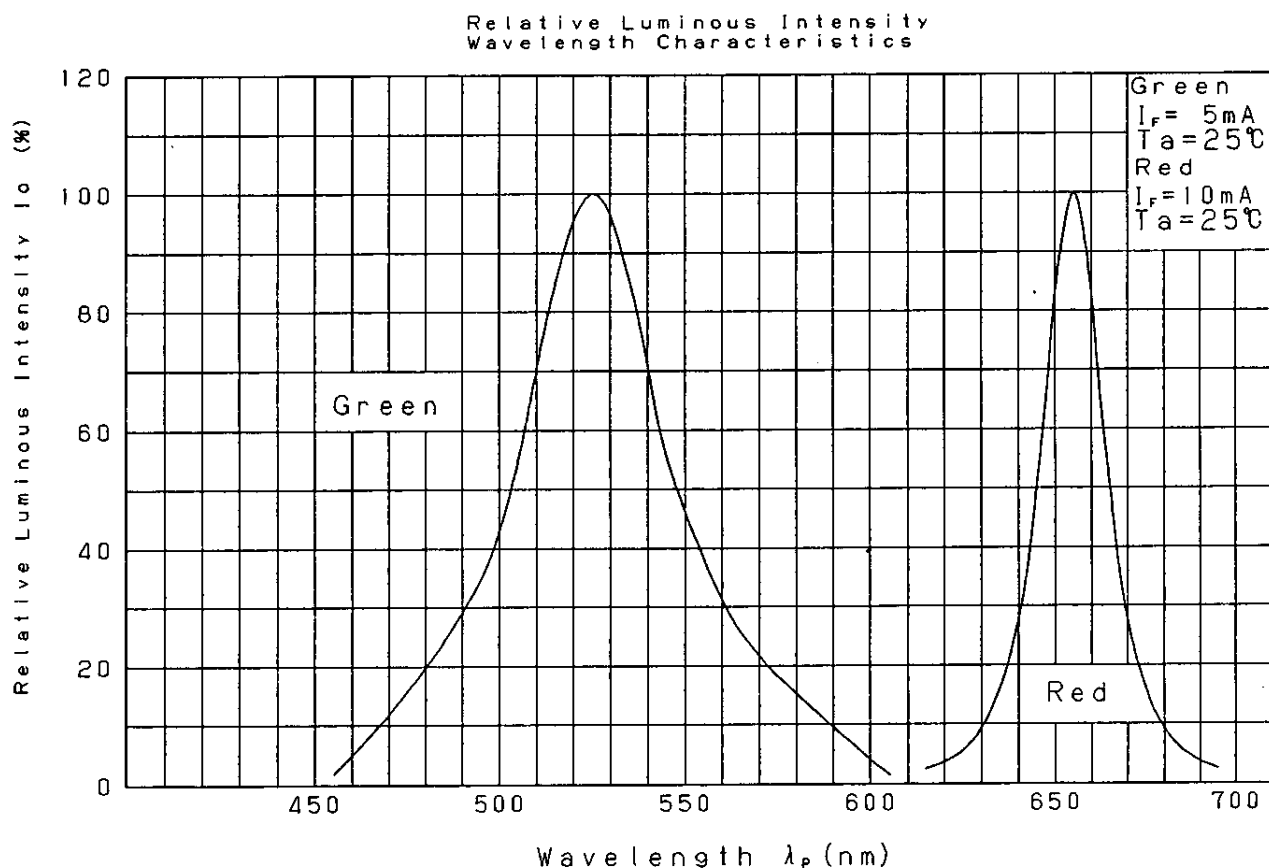
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION											
  			P/N: LNJ115W86RA				18		4					
T Y P E			Bi-color (Green / Red) Light Emitting Diode											
A P P L I C A T I O N			Indicators											
M A T E R I A L			Green (GaN) / Red (GaAlAs)											
O U T L I N E			Attached											
A B S O L U T E			※1 P		※2 I _{FP}		※3 I _{FLC}		V _R		Topr		Tstg	
M A X I M U M			(G) (R)		(G) (R)		(G) (R)		(G) (R)					
R A T I N G S			40 55		50 60		10 20		5 3		-30~+85		-40~+100	
			mW		mA		mA		V		°C		°C	
C O N D I T I O N			T _a = 25 ± 3°C											
Test Specification														
Item		Symbol	Condition		Type	Limit		Unit						
						Min	Max							
Green														
Forward Voltage		V _F	I _F = 5 mA		3.0		3.7	V						
Reverse Leakage Current		I _R	V _R = 5 V				10	μA						
Luminous Intensity ※4		I _o	I _F = 5 mA · DC		34	12.9		mcd						
Peak Emission Wavelength		λ _p	I _F = 5 mA · DC		525			nm						
Spectral Line Half Width		Δλ	I _F = 5 mA · DC		45			nm						
Red														
Forward Voltage		V _F	I _F = 10 mA		1.72		2.5	V						
Reverse Leakage Current		I _R	V _R = 3 V				100	μA						
Luminous Intensity ※4		I _o	I _F = 10 mA · DC		6.7	2.8		mcd						
Peak Emission Wavelength		λ _p	I _F = 10 mA · DC		655			nm						
Spectral Line Half Width		Δλ	I _F = 10 mA · DC		20			nm						
※1 (G) : Green (R) : Red ※2 The condition of I _{FP} is duty 10 % , pulse width 1 ms. Please contact the Panasonic local office if you design at low current (below 1mA DC) or pulse current operation and have any questions. ※3 When 2 light emitted at the same time , the total current (I _{FP} or I _{FLC}) must be (G) I _{FP} < 50 mA , I _{FLC} < 9 mA (R) I _{FP} < 60 mA , I _{FLC} < 18 mA ※4 Measurement Tolerance is ±20%. ※5 Compositions of the lead·····Cu/Ni/Au plating ※6 Package·····Light white diffusion type. ※7 Soldering conditions·····Refer to Handling note.														
Jun. 28. 2001														

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
<i>T. Chada</i>	<i>M. W.</i>	<i>K. S.</i>	P/N: LNJ115W86RA			
				18		5



Jun. 28. 2001

Approved <i>T. Shoda</i>	Checked <i>M. Ito</i>	Designed <i>K. Nakamura</i>	DEVELOPMENT SPECIFICATION			
P/N: LNJ115W86RA				18	6	



Jun. 28. 2001			

Approved <i>T. Shida</i>	Checked <i>M. W.</i>	Designed <i>K. Sakurai</i>	DEVELOPMENT SPECIFICATION (OUTLINE) P/N: LNJ115W86RA	18	7
-----------------------------	-------------------------	-------------------------------	---	----	---

Index mark

LED

Index mark

Red

Green

2

4

3

1

0.55±0.1

1.1±0.1

0.3±0.1

0.3±0.1

0.18±0.1

0.4±0.1

1.25±0.15

1.6±0.15

0.4±0.1

(Polarity)

2

1

Red

4

3

Green

Protect mask

(Recommended Land Layout)

1.65

0.85

0.4

0.8

NOTE)

1. Dimension of package doesn't include projections on electrode.
2. Unit:mm

Jun.28.2001