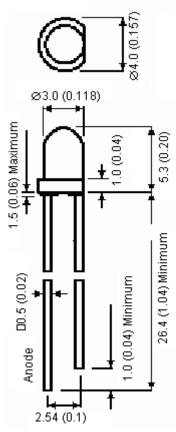
	PART NO.			REVISIONS						
	1	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL034SBLC	-	А	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08



Dimensions : Millimetres (Inches)

Specifications:

Dice material	: InGaN.
Emitted color	: Super blue.
Lens color	: Water clear.
Peak wavelength	: 470nm.
Viewing angle	: 36 degrees.
Luminous intensity (IV)	: 1450mcd.

Electrical/Optical Characterisitics at $T_a = 25^{\circ}C$

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	700	1450	2050	mcd	IF = 20mA
Viewing Angle	20 1/2	-	36	-	degrees	IF = 2011A
Peak Emission Wavelength	• p	-	470	-		-
Dominant Wavelength	• 10	-	472	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	2.7	3.5	4.0	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-



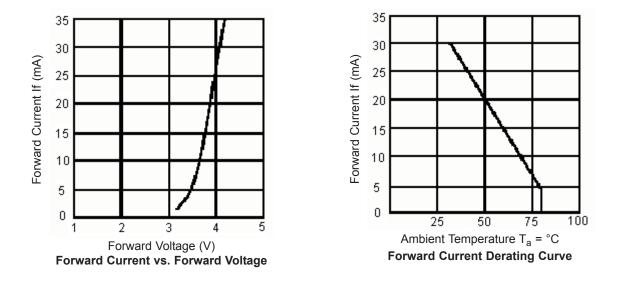
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believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE	Veena	25/06/08] 3	- Super Blue			
		CHECKED BY:	DATE:	SIZE DWG NO.	M10001252		ELECTRONIC FILE L034SBLC DWG	
data sheet should check for themselves the Information and the suitability of the prod- ucts for their purpose and not make any assumptions based on information included or		Suresh	25/06/08	Δ				
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multicomp	PART NO.	REVISIONS													
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE					
		-	A	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08					

Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
Electrostatic Discharge (ESD)	200 Volt
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

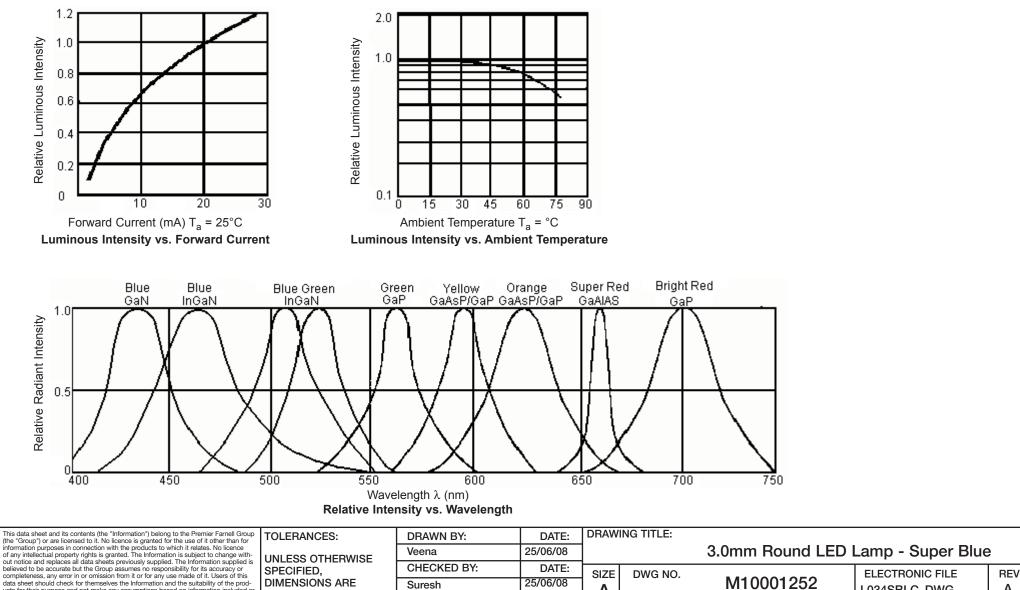
Super Blue (InGaN λP = 470nm)



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data sheet should check for themselves the Information and the suitability of the prod- ucts for their purpose and not make any assumptions based on information included or	DIMENSIONS ARE FOR REFERENCE	Suresh	25/06/08	Δ	M10001252	L034SBLC DWG	A		
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	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
	MCL034SBLC	-	А	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08			





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multicomp	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08			

Part Number Table

Description	Part Number
LED, 3mm, 32°, Super-Blue	MCL034SBLC

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	25/06/08	Δ	M10001252	L034SBLC DWG	A
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