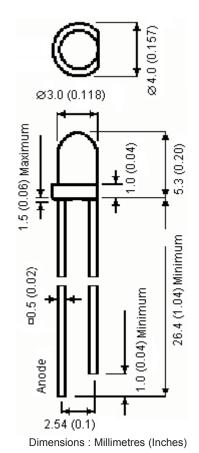
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	MCL034URC	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08		



Specifications:

Dice material	: GaAlAs.
Emitted color	: Ultra red.
Lens color	: Water clear.
Peak wavelength	: 660nm.
Viewing angle	: 36 degrees.
Luminous intensity (IV)	: 1200mcd.



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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	585	1200	1800	mcd	IF = 20mA
Viewing Angle	20 1/2	-	36	-	degrees	IF - 2011A
Peak Emission Wavelength	• p	-	660	-		-
Dominant Wavelength	• 10	-	643	-	nm	-
Spectral Line Half-Width	Δλ	-	20	-		-
Forward Voltage	VF	1.5	1.9	2.5	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	-

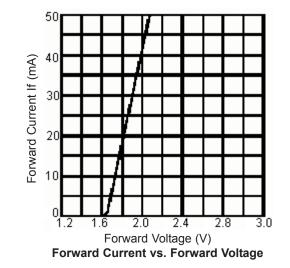
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information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with-	UNLESS OTHERWISE	Geetha	27/05/08		3.0mm Round LED La	mp - Super Red	
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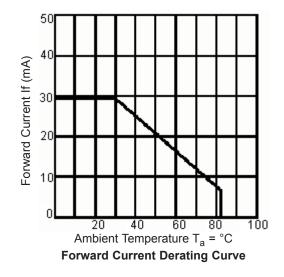
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	MCL034URC	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	A	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08		

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

Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
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

Ultra Red (GaAlAs) $\lambda P = 660$ nm)





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Ultra Red (GaAlAs) λP =	660nm)									
Sity										
3.0 2.0 1.0	Relative Luminous Intensity	74		-						
			ТЧ							
	♥ 0.2		+++	_						
	(elati									
10 20 30	40 50 -20 0 1			70						
Forward Current (mA) T _a Luminous Intensity vs. Forw		-		raturo						
		5. AIIDI	ent rempe	lature						
Blue Blue	Blue Green Green Yellow	Or	ange S	Super Red Bright F	Red					
1.0 GaN InGaN				GaAlAs GaP	· · · ·					
Relative Radiant Intensity	$\mathbf{x} + \mathbf{y} \mathbf{x} + (\mathbf{x} + \mathbf{z})$			$ \Lambda \rangle \langle \Lambda \rangle$						
	\ / / \ / \ /	\ /			\backslash					
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		0	$\searrow _{6}$		750					
	Wavelength λ (nm) Relative Intensity vs. Wave	lenath								
		longti								
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		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08		

Part Number Table

Description	Part Number
LED, 3mm, 32°, Super-Red	MCL034URC

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with-	UNLESS OTHERWISE	Geetha	27/05/08		3.0mm Round LED La	mp - Super Red	
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