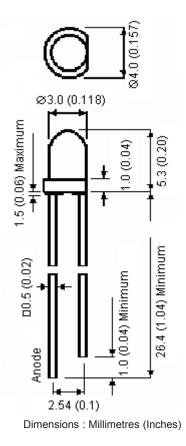
multicomp	PART NO.		REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Veena	26/5/08	Suresh	26/5/08	G. C	10/6/08		



Specifications:

Dice material: GaAsP on GaP.Emitted color: Hi-Eff red.Lens color: Red transparent.Peak wavelength: 635nm.Viewing angle: 36 degrees.Luminous intensity (IV): 35mcd.

RoHS Compliant

Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	20	35	60	mcd	IF = 20mA
Viewing Angle	20 1/2	-	36	-	degrees	IF – 2011A
Peak Emission Wavelength	• p	-	635	-		-
Dominant Wavelength	• 10	-	625	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	1.6	2.0	2.6	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	-

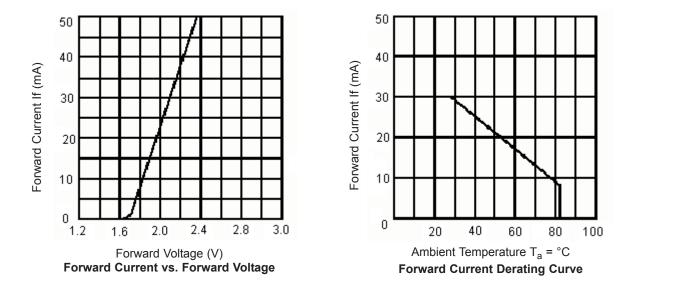
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	UNLESS OTHERWISE	Veena	26/05/08	3.0mm Round LED Lamp - HE Red					
	SPECIFIED, DIMENSIONS ARE FOR REFERENCE	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE		REV	
		Suresh	26/05/08	Δ	M10001103			A	
	PURPOSES ONLY.	APPROVED BY:	DATE:						
		G.Cook	10/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SH	HEET: 1	OF 4	

	PART NO.		REVISIONS										
	MCL034MT	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Veena	26/5/08	Suresh	26/5/08	G. C	10/6/08			

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				

Orange (GaAsP/CaP λ P = 635nm)



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	LINI ESS OTHERWISE	Veena	26/05/08]	3.0mm Round LED Lamp - HE Red				
		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV		
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	26/05/08	Δ	M10001103	L034MT_DWG	A		
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	PART NO.			REVISIONS						
multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DAT
	MCL034MT	-	A	RELEASED	Veena	26/5/08	Suresh	26/5/08	G. C	10/6/
Orange (GaAsP/CaP λP	= 635 nm)									
	- 0001111)									
≥ 4.0	≥ 2									
3.0		╾┝╾┠								
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Stelative Luminous Intensity										
	Landow Relative Relat									
10 20 30	40 50 -20 010									
Forward Current (mA) T Luminous Intensity vs. For	u la									
-										
Blue Blue	Blue Green Green Yellow	Ora	ange	Super Red Bright Red						
1.0 GaN InGaN	InGaN GaP GaAsP/Ga	aP GaAs	sP/GaF	GaAlAs GaP						
	<u> </u>									
	$\land / / \land \land / \land / $	V								
Relative Radiant Intensity		Λ								
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		1	\sim)					
	Wavelength λ (nm)									
	Relative Intensity vs. Wavel	engui								

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	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Veena	26/5/08	Suresh	26/5/08	G. C	10/6/08			

Part Number Table

Description	Part Number
LED, 3mm, 70°, HE-Red	MCL034MT

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	UNLESS OTHERWISE	Veena	26/05/08		_amp - HE Red		
	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.	M10001103	ELECTRONIC FILE	REV
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	26/05/08	Α		L034MT_DWG	Α
		APPROVED BY:	DATE:				
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