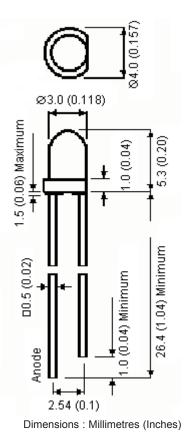
<b>multicomp</b>	PART NO.		REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Veena	26/5/08	Suresh	26/5/08	G. C	10/6/08		



## **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<sub>a</sub> = 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	-

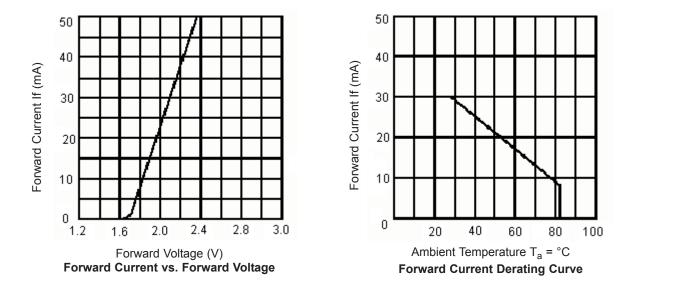
believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the prod- ucts for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or	TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE:					
	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 <sub>R</sub> = 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 $\lambda$ 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		╾┝╾┠								
		++								
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>									
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Relative Radiant Intensity		Λ								
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		1	$\sim$		)					
	Wavelength $\lambda$ (nm)									
	Relative Intensity vs. Wavel	engui								

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV			
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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
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