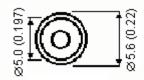
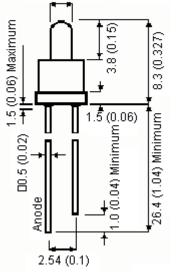
	PART NO.		REVISIONS							
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL223BD	-	А	RELEASED	Veena	25/9/08	Suresh	25/9/08	Farnell	9/10/08



Ø2.0 (0.079)



Dimensions : Millimetres (Inches)

Specifications: Dice material

Lens colour

- : GaAsP on GaP. Emitted colour : Amber. Peak wavelength : 610nm. Viewing angle Luminous intensity (IV) : 7.5mcd.
 - : Amber diffused.

: 60 degrees.

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	3.5	7.5	11	mcd	IF = 20mA
Viewing Angle	20 1/2	-	76	-	degrees	11 – 2011A
Peak Emission Wavelength	λρ	-	610	-		-
Dominant Wavelength	λD	-	608	-	nm	-
Spectral Line Half-width	Δλ	-	40	-		-
Forward Voltage	VF	1.7	21	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	mW	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		-



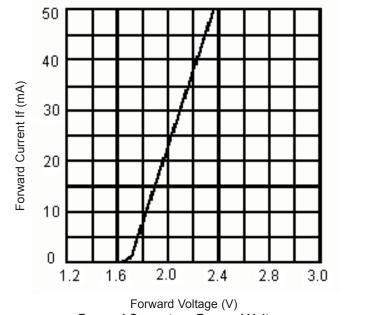
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information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with- out portice and replaces and data shear the reviewity support and the formation support. UNLESS OTHERWISE	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- out notice and replaces all data sheets previously supplied. The Information supplied is 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 in cluded or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability for dent or personal injury resulting from its neglicence.	UNLESS OTHERWISE	Veena	25/09/08	2.0mm Tower LED Lamp - Amb			- Amber	
believed to be accurate but the Group assumes no responsibility for its accuracy or believed to be accurate but the Group assumes no responsibility for its accuracy or SPECIFIED, SPECIFIE			CHECKED BY:		SIZE DWG NO.		ELECTRONIC FILE		REV
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 DEFERENCE		FOR REFERENCE	Suresh	25/09/08	Δ	M10001747			Α
			APPROVED BY:	DATE:		I			
			Farnell	09/10/08	SCALE: NTS	U.O.M.: mm (Inches)	SH	HEET: 1	OF 4

	multicomp	PART NO.		REVISIONS								
		I	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
			MCL223BD	-	А	RELEASED	Veena	25/9/08	Suresh	25/9/08	Farnell	9/10/08

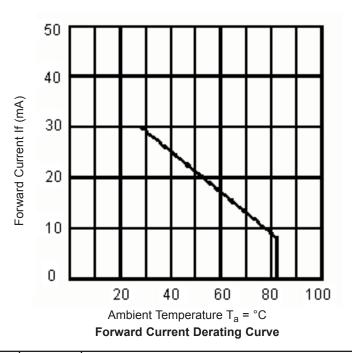
Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

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

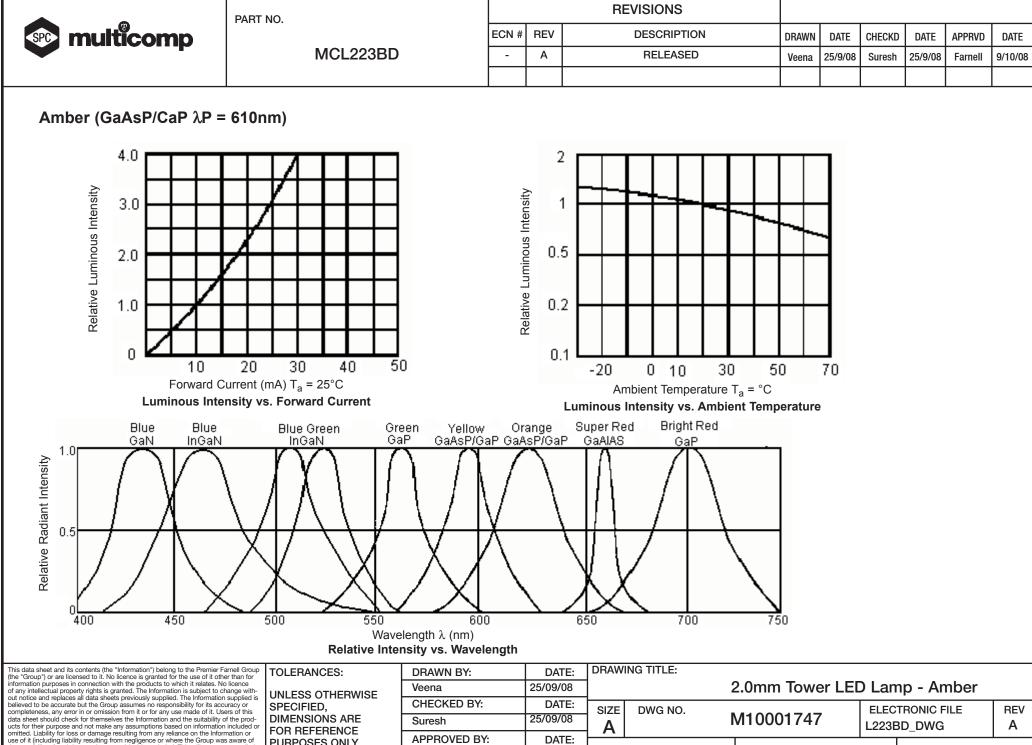
Amber (GaAsP/CaP λ P = 610nm)



Forward Current vs. Forward Voltage



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SCALE: NTS

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	PART NO.		REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
	MCL223BD	-	А	RELEASED	Veena	25/9/08	Suresh	25/9/08	Farnell	9/10/08		

Part Number Table

Description	Part Number
LED, 2mm, 60°, Amber	MCL223BD

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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data sheet should check for themselves the Information and the suitability of the prod-	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	25/09/08	Δ	M10001747	L223BD DWG	A
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