

MCD Electronics Inc.

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DATA SHEET

PART NO. :M C D L- 3 5 4 Y D L C / H 3 0 2

CUSTOMER'S APPROVAL : _____ DCC : _____

DRAWING NO. : DS-60-09-0216

DATE : 2009-8-31

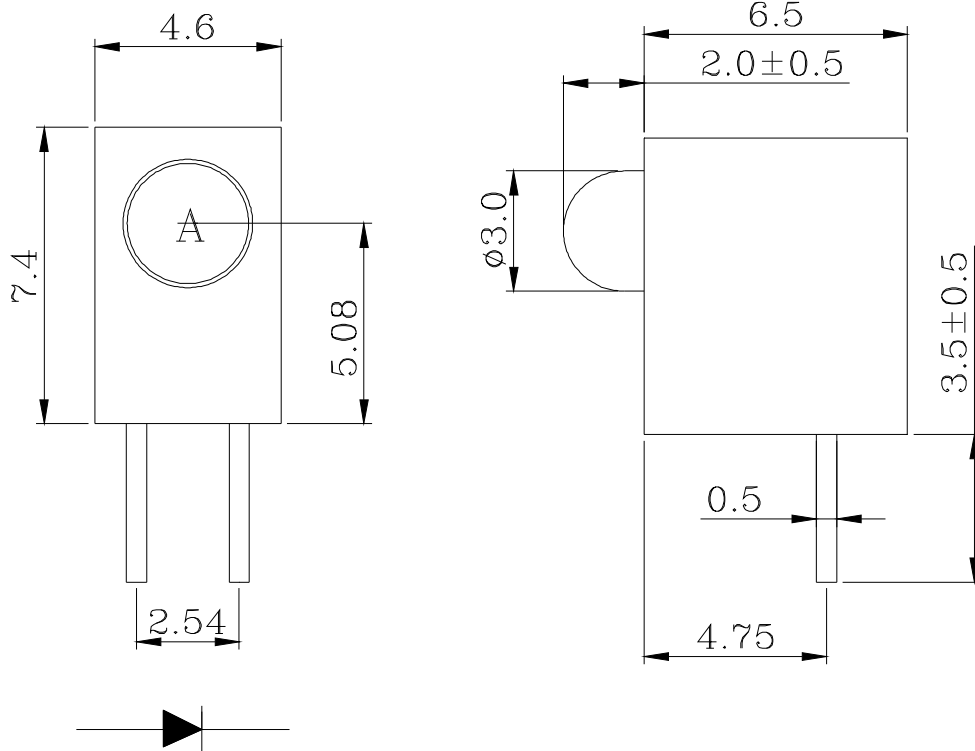
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3.0 mm LED LAMP WITH H302 HOLDER

MCDL-354YDLC/H302

REV:A / 0

PACKAGE DIMENSIONS



Note:

- 1.All Dimensions are in millimeters.
- 2.Tolerance is $\pm 0.25\text{mm}$ (0.010 ")
Unless otherwise specified.
- 3.Protruded resin under flange
is 1.5mm(0.059 ") max.
- 4.Lead spacing is measured where
the leads emerge from the package.
- 5.Specification are subject to change
without notice
- 6.The lamps have sharp and hard points that
may injure human eyes or fingers etc., so
please pay enough care in the handling.
- 7.A=L-354YD

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FEATURES

- * 3.0mm DIA LED LAMP
- * LOW POWER CONSUMPTION.
- * I.C. COMPATIBLE.
- * LONG LIFE SOLID STATE RELIABILITY.
- * PB FREE PRODUCTS(Compliant with EU's RoHS.)

CHIP MATERIALS

- * Dice Material :GaAsP/GaP
- * Light Color :Yellow
- * Lens Color :Yellow Diffused

ABSOLUTE MAXIMUM RATING : (Ta = 25° C)

SYMBOL	PARAMETER	Yellow	UNIT
PAD	Power Dissipation	75	mW
VR	Reverse Voltage	5	V
IF	Average Forward Current(Duty=0.1,1KHZ)	30	mA
IPF	Peak Forward Current Per Chip (Duty=0.1,1KHz)	120	mA
—	Derating Linear From 25° C	0.3	mA/° C
Topr	Operating Temperature Range	-25° C to 85° C	
Tstg	Storage Temperature Range	-40° C to 85° C	

ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25° C)

SYMBOL	DESCRIPTION	TEST	MIN.	TYP.	MAX.	UNIT
Vf	Forward Voltage	IF=2mA		2.05	2.5	V
IR	Reverse Current	VR=5 V			100	μ A
λD	Dominant Wavelength	IF=2mA		587		nm
Δλ	Spectral Line Half-Width	IF=2mA		32		nm
2 θ 1/2	Half Intensity Angle	IF=2mA		80		deg
Iv	Luminous Intensity	IF= 2mA		2.0		mcd

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