

DESCRIPTION

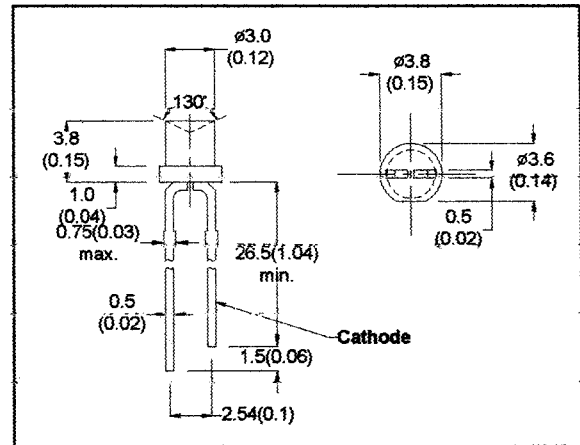
MSB34XA Series are ultra high brightness GaAlAs red LED lamp with 3mm diameter cylindric package.

MSB34CA is GaAlAs red chip with red transparent lens.

MSB34DA is GaAlAs red chip with red diffused lens.

MSB34TA is GaAlAs red chip with clear transparent lens.

MSB34WA is GaAlAs red chip with clear diffused lens.



- All Dimension in mm (inch)
- No Scale
- Tol : +/- 0.3mm

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C

100mW

Forward Current, DC (IF)

40mA

Reverse Voltage

5V

Operating & Storage Temperature Range

-55 to +100°C

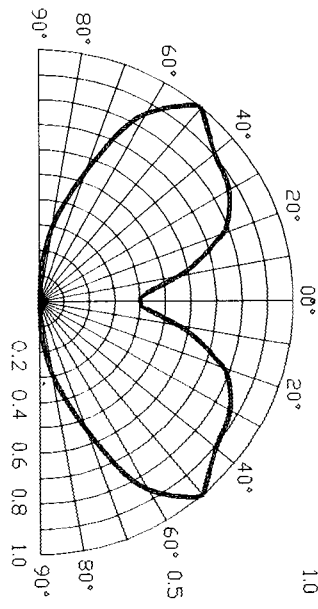
Lead Soldering Temperature (1/16" from body)

260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MSB34CA	MSB34DA	MSB34TA	MSB34WA	UNIT	CONDITIONS
Forward Voltage	MAX VF	2.4	2.4	2.4	2.4	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	V	IR=100μA
Luminous Intensity	MIN IV	12	10	12	10	mcd	IF=20mA
	TYP	15	12	15	12	mcd	IF=20mA
Peak Wavelength	TYP λp	660	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	20	20	20	20	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	140	140	140	140	degree	IF=20mA

SPATIAL DISTRIBUTION



MSB34DA

