

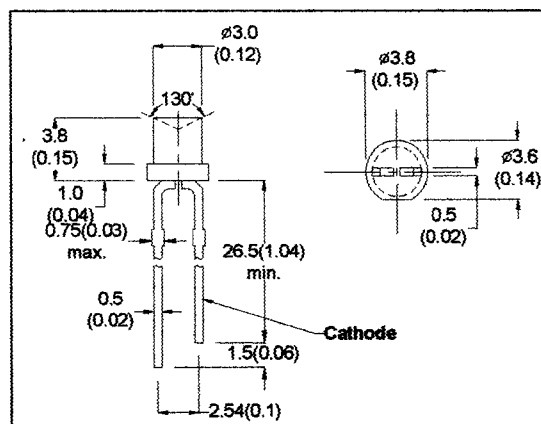
MICRO ELECTRONICS

MOB34C
 MOB34CR
 MSB34C
 MYB34C
 3mm CYLINDRIC
 LED LAMPS

DESCRIPTION

This series of solid state indicators are 3mm diameter cylindric lamps

MGB34C is green LED with a green transparent lens.
 MOB34C is orange LED with an orange transparent lens.
 MOB34CR is orange LED with a red transparent lens.
 MSB34C is red LED with a red transparent lens.
 MYB34C is yellow LED with a yellow transparent lens.



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

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C
 Forward Current, DC (IF)
 Reverse Voltage

	<u>MSB34C</u>	<u>MYB34C</u>	<u>MGB34C</u> <u>MOB34C</u> <u>MOB34CR</u>
Power Dissipation @ Ta=25°C	45mW	60mW	90mW
Forward Current, DC (IF)	15mA	20mA	30mA
Reverse Voltage	5V	5V	5V
Operating & Storage Temperature Range	-50 to +100°C		
Lead Soldering Temperature (1/16" from body)	260°C for 5 sec.		

Operating & Storage Temperature Range
 Lead Soldering Temperature (1/16" from body)

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MGB34C	MOB34C	MOB34CR	MSB34C	MYB34C	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	5	V	IR=100 μA
Luminous Intensity	MIN IV	7.0	4.5	4.5	0.45*	3.5	mcd	IF=20mA
	TYP	12	6.5	6.5	0.60*	5.0	mcd	
Peak Wavelength	TYP λp	570	630	640	700	585	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	30	40	40	100	35	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	140	140	140	140	140	degree	IF=20mA

*IF=10mA

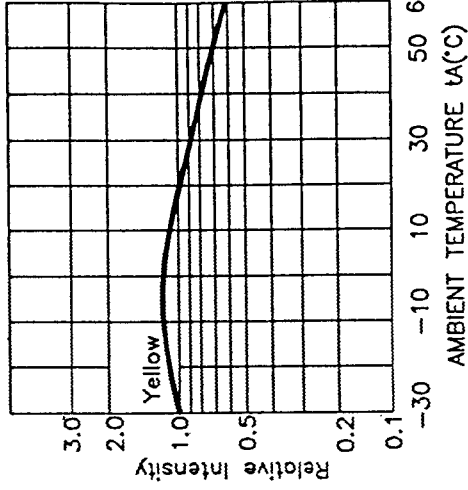
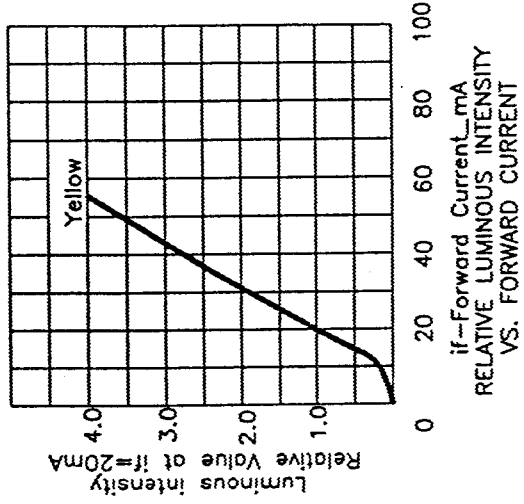
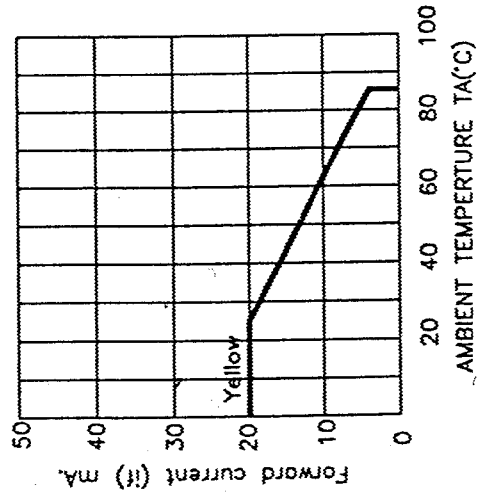
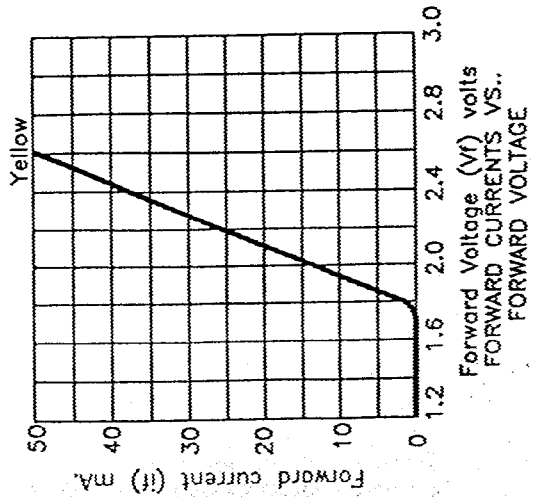
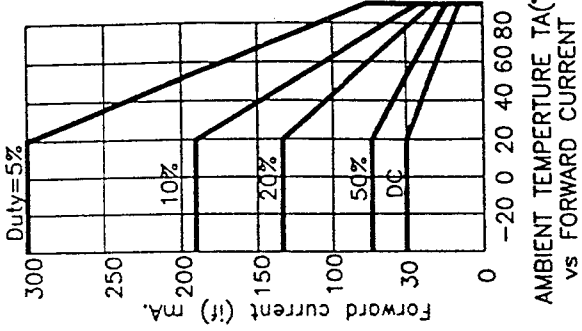
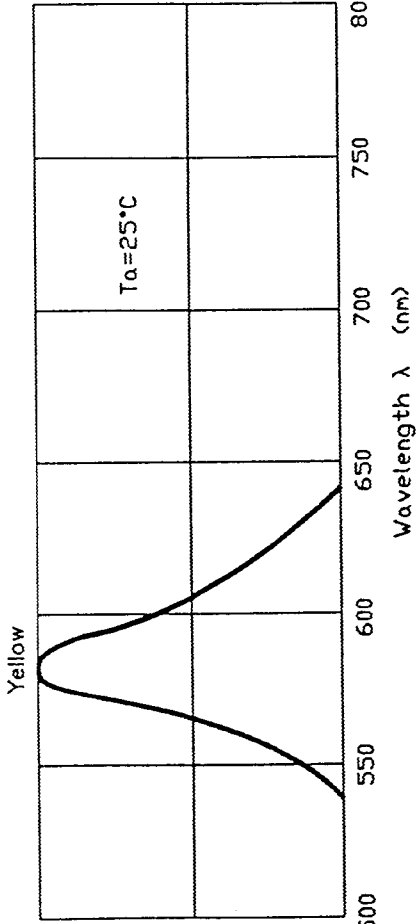
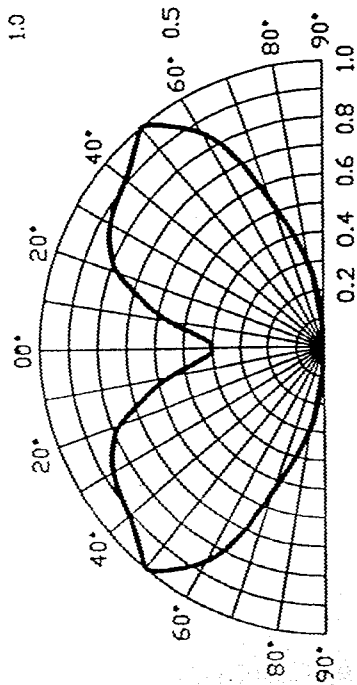
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Aug-99

MYB34C

SPATIAL DISTRIBUTION



RELATIVE INTENSITY VS. WAVELENGTH

AMBIENT TEMPERATURE TA(°C) vs FORWARD CURRENT

Forward Voltage (Vf) volts FORWARD CURRENTS VS., FORWARD VOLTAGE

AMBIENT TEMPERATURE TA(°C)

if-Forward Current_mA RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

AMBIENT TEMPERATURE TA(°C)