MICRO ELECTRONICS

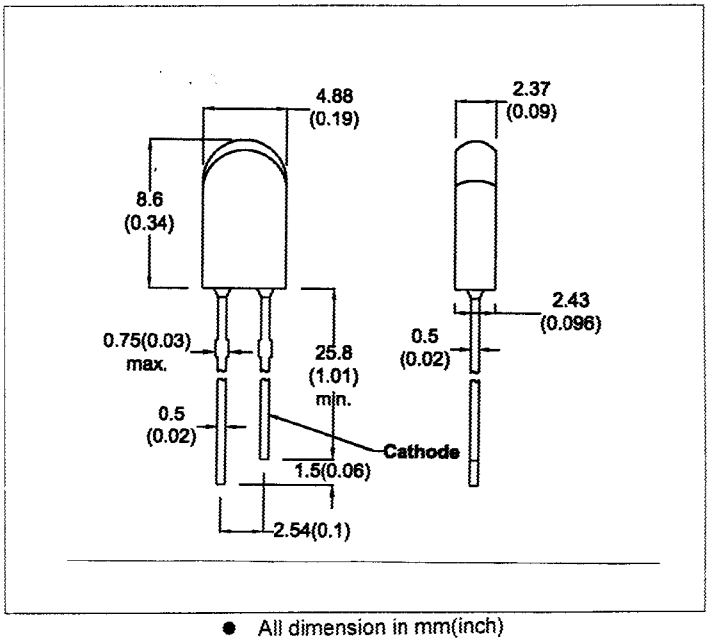
MGB81TA
MGB81W

GREEN LED LAMPS

DESCRIPTION

MGB81 Series are GaP/GaP green LED lamp with 2.37x4.88mm round rectangular bars.

MGB81CA is green chip with green transparent lens.
MGB81D is green chip with green diffused lens.
MGB81TA is green chip with clear transparent lens.
MGB81W is green chip with clear diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	90mW
Forward Current, DC (IF)	30mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Temperature	260°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	MGB81CA	MGB81D	MGB81TA	MGB81W	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	5	5	V	IR=100μA
Luminous Intensity	MIN	IV	125	30	125	30	mcd	IF=20mA
	TYP		250	50	250	50	mcd	IF=20mA
Peak Wavelength	TYP	λρ	570	570	570	570	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	30	30	30	30	nm	IF=20mA
Viewing Angle	TYP	2θ 1/2	16	124	16	124	degree	IF=20mA

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