

# MICRO ELECTRONICS

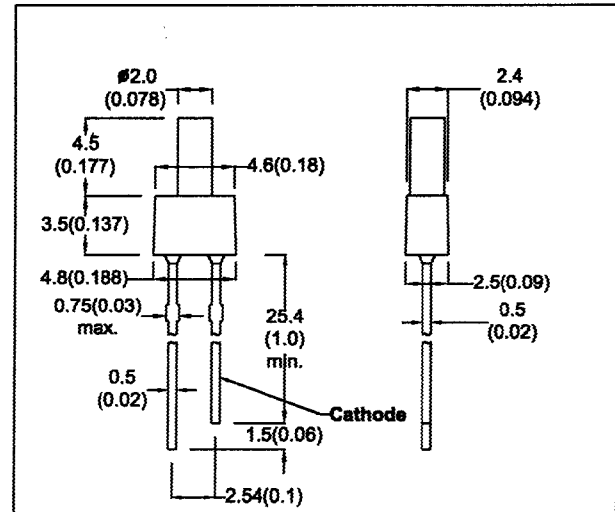
MGB20D  
MYB20DO  
DOT POINT Ø 2.0mm  
HIGH EFFICIENCY  
LED LAMPS

## DESCRIPTION

This series are high efficiency LED lamp with dot point 2.0mm diameter epoxy package.

MSB20DA-0 is GaAlAs LED with a red diffused lens.  
MGB20D is GaP LED with a green diffused lens.  
MYB20DO is GaAsP LED with an orange diffused lens.

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



## ABSOLUTE MAXIMUM RATINGS

	MSB20DA-0	MGB20D	MYB20DO
Power Dissipation (@ Ta=25°C)	95mW	90mW	60mW
Forward Current, DC (IF)	40mA	30mA	20mA
Reverse Voltage	5V	5V	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	MSB20DA-0	MGB20D	MYB20DO	UNIT	CONDITIONS
Forward Voltage	MAX VF	2.4	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	V	IR=100µA
Luminous Intensity	MIN IV	8.0	8.0	5.0	mcd	IF=20mA
	TYP	13	16	10	mcd	IF=20mA
Peak Wavelength	TYP λp	660	570	595	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	20	30	40	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	152	152	152	degree	IF=20mA



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MSB100  
 MIB2000  
 MIB2000

