

MICRO

ELECTRONICS

M2012G

HIGH BRIGHTNESS
STANDARD GREEN
SURFACE LIGHTING

FEATURES:

AlGaInP/GaAs Standard Green Chip

Green Diffused Lens

Low Power Requirements

Wide Viewing Angle

ABSOLUTE MAXIMUM RATINGS**(Ta=25°C)**

Power dissipation/Chip	Pd	60mW
Continuous Forward Current/Chip	IF	20mA
Peak Forward Current/Chip (*Pulse Width = 1ms , Duty Ratio = 1/10)	*IFP	100mA
Reverse Voltage	VR	5V
Operating Temperature Range	Topr	-20 to +80°C
Storage Temperature Range	Tstg	-25 to +85°C
Solder Temperature (1/16 Inch from body)		260°C
Maximum Soldering Time(≤260°C)		5 sec

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage/Chip	V _F		2.1	2.8	V	I _F =20mA
Reverse Current/Chip	I _R			100	μA	V _R =5V
Peak Wavelength	λ _p		564		nm	I _F =20mA
Dominant Wavelength	λ _d	558	562	566	nm	I _F =20mA
Spectral Line Half Width	Δλ		20		nm	I _F =20mA
Luminous Intensity	IV	5	15		mcd	I _F =10mA/Chip



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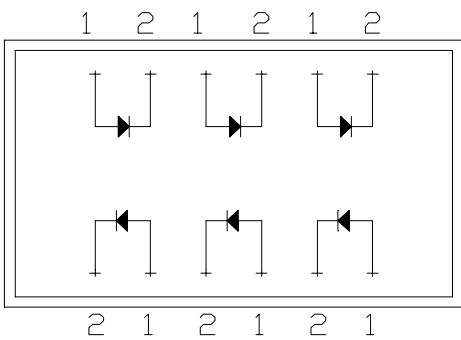
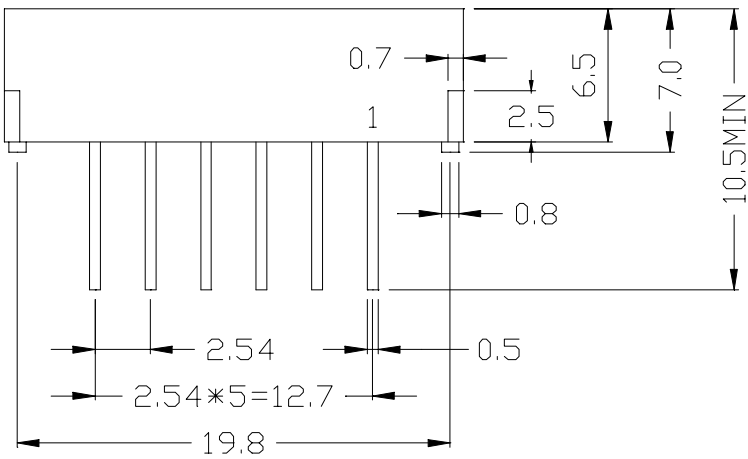
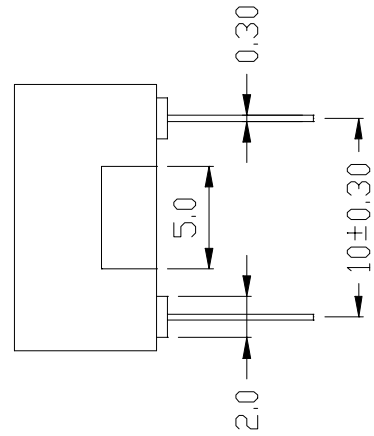
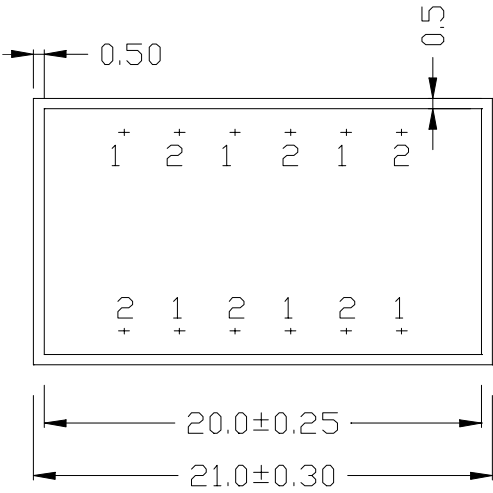
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HOMEPAGE: <http://www.microelectr.com.hk>

16/5/2005

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Pin connection :
 1: Anode
 2: Cathode

Unit : mm
 Tol. : ± 0.3 mm unless otherwise noted

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