

# 深圳市明空光电科技有限公司

## 产品规格

### Production Specification

# 承认书

### Samples approval sheet

客户名称 (Customer name): 深圳市英肯电子有限公司

元件名称 (Production name): 5\*2\*7MM 红绿双色

型号 (Model): MK-259R2G1DY common cathode

编号 (Part number): MK10092003

日期 (Date): 2010-9-20

深圳市明空光电科技有限公司			
编制 Prepared by	审核 Checked by	核准 Approved by	市场部 Market Dept.

客户确认		
CUSTOMER CONFIRMATION		
确认 Confirmed by	审核 Checked by	核准 Approved by

■ Absolute Maximum Rating

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current*	I <sub>FP</sub>	120	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	70	mW
Electrostatic discharge	E <sub>SD</sub>	400	V
Operation Temperature	T <sub>opr</sub>	-25~+80	°C
Storage Temperature	T <sub>stg</sub>	-40~+80	°C
Lead Soldering Temperature*	T <sub>sol</sub>	Max. 230°C for 5sec Max.	

\*I<sub>FP</sub> Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

■ Typical Optical/ Electrical Characteristics

Item	Symb ol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	1.9	--	2.3	V
Reverse Current	I <sub>R</sub>	V <sub>r</sub> =5V	--	--	5	uA
50% Power Angle	2 θ 1/2	I <sub>F</sub> =20mA	--	130	--	deg
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	150	--	300	mcd
NM	λ <sub>P</sub>	I <sub>F</sub> =20mA	R: 630		635	nm
			G: 569		574	
<b>Recommend Forward Current</b>	I <sub>F</sub> (rec)	--	15	--	20	mA

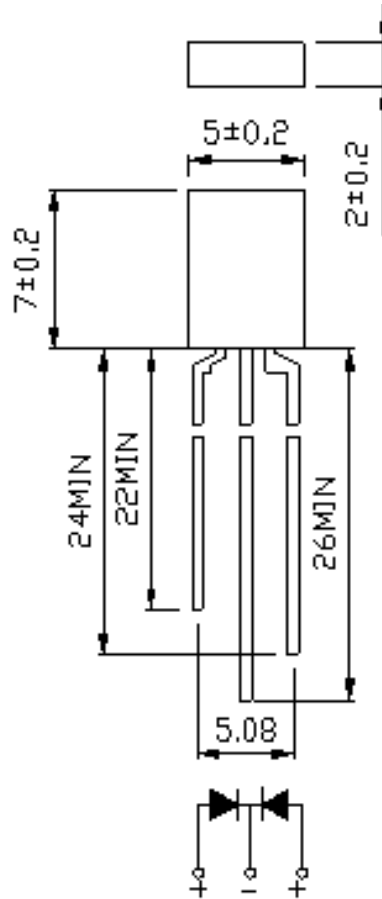
Notes:

1. Absolute maximum ratings Ta=25°C.
2. Tolerance of measurement of forward voltage ± 0.1V.
3. Tolerance of measurement of peak Wavelength ± 2.0nm.
4. Tolerance of measurement of luminous intensity ± 15%.

PartNumber:MK-259R2G1DY common cathode

Rev:10

■ Package Dimensions And Materials



Chip		Lens Color
Material	Emitting Color	
INGaALP	RED&GREEN	Diffused

Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is  $\pm 0.2$ mm unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads.
4. Burr around bottom of epoxy may be 0.5mm max..