

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 方形黄发黄

型号 (Model): MK-251YD

编号 (Part number): MK10092002

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

Part Number: MK-251YD

Rev:10

■ Absolute Maximum Rating

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I _F	20	mA
Peak Forward Current*	I _{FP}	120	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	70	mW
Electrostatic discharge	E _{SD}	400	V
Operation Temperature	T _{opr}	-25~+80	°C
Storage Temperature	T _{stg}	-40~+80	°C
Lead Soldering Temperature*	T _{sol}	Max. 230°C for 5sec Max.	

*I_{FP} Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

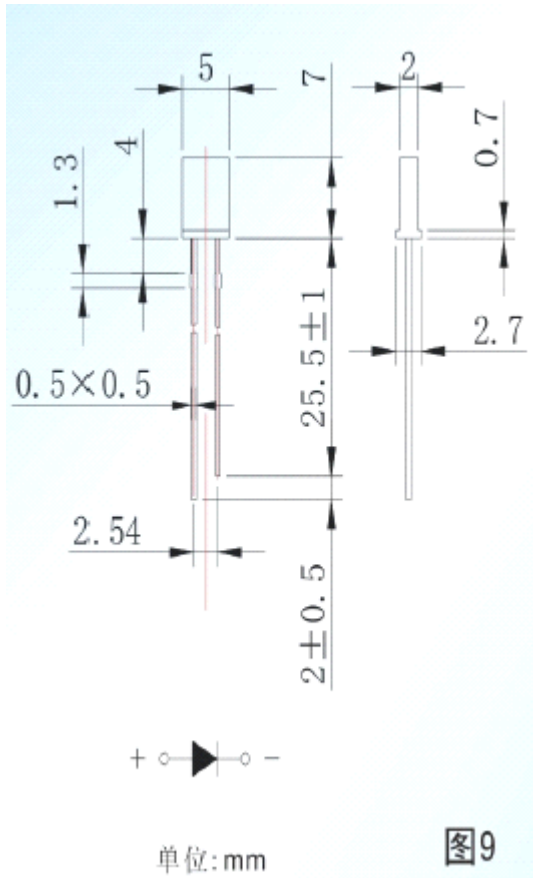
■ Typical Optical/ Electrical Characteristics

Item	Symb ol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	2.0	--	2.3	V
Reverse Current	I _R	V _r =5V	--	--	5	uA
50% Power Angle	2 θ 1/2	I _F =20mA	--	130	--	deg
Luminous Intensity	I _v	I _F =20mA	45	--	90	mcd
TC	λ _P	I _F =20mA	--	589	--	nm
Recommend Forward Current	I _F (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%.

■ Package Dimensions And Materials



Chip		Lens Color
Material	Emitting Color	
INGaALP	YELLOW	Diffused

Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.2\text{mm}$ 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..