

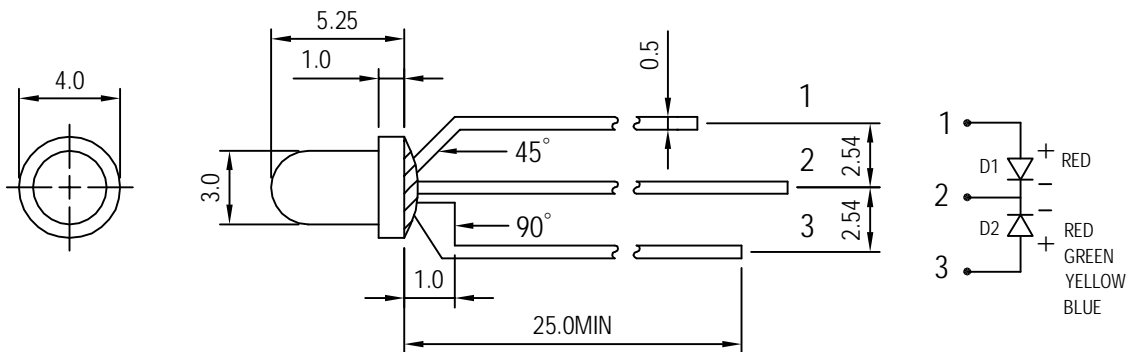
# JOINSCAN LEDs

∅ 3.0 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP	
MODEL NO.	L3052M+
EMITTING COLOR	RED / YELLOW
DICE	GaAsp/GaP / GaP
LENS	DIFFUSION TYPE

ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )			
TA = 25 °C			
PARAMETER	SYMBOL	RATING	UNIT
D1 RED POWER DISSIPATION	P AD	40.0	mW
D2 YELLOW POWER DISSIPATION	P AD	42.0	mW
DERATING LINEAR FROM 25 °C		0.27	m / °C
D1 RED CONTINUOUS FORWARD CURRENT	I AF	20.0	mA
D2 YELLOW CONTINUOUS FORWARD CURRENT	I AF	20.0	mA
PEAK FORWARD CURRENT ( DUTY CYCLE 1 / 10 , 10KHZ )	I PF	90.0	mA
REVERSE VOLTAGE	V R	5.0	V
OPERATING TEMPERATURE	T OPR	-25 °C TO + 85 °C	
STORAGE TEMPERATURE	T STG	-25 °C TO + 85 °C	
SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 °C OR 3 SECONDS AT 250 °C			

D1 RED ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )						
TA = 25 °C						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V F	I F = 20mA	—	1.8	—	V
LUMINOUS INTENSITY	I V	I F = 20mA	—	50	—	mcd
PEAK EMISSION WAVELENTH	$\lambda$ P	I F = 20mA	—	635	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	$\mu$ A

D2 YELLOW ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )						
TA = 25 °C						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V F	I F = 20mA	—	2.0	—	V
LUMINOUS INTENSITY	I V	I F = 20mA	—	15	—	mcd
PEAK EMISSION WAVELENTH	$\lambda$ P	I F = 20mA	—	600	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	$\mu$ A



UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B