

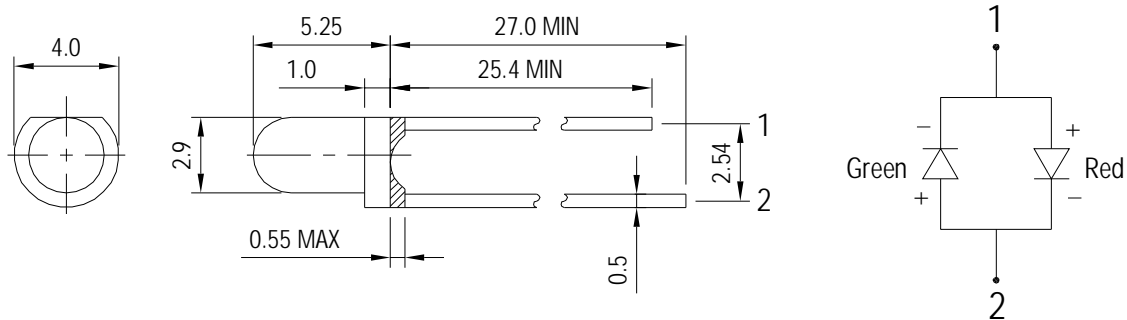
# JOINSCAN LEDs

∅ 3.0 mm BICOLOR CLEAR TYPE LED LAMP	
MODEL NO.	L3081C
EMITTING COLOR	RED / GREEN
DICE	GaAlAs / GaP
LENS	CLEAR TYPE

ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )			
TA = 25°C			
PARAMETER	SYMBOL	RATING	UNIT
RED POWER DISSIPATION	P AD	54.0	mW
GREEN POWER DISSIPATION	P AD	44.0	mW
DERATING LINEAR FROM 25°C		0.27	m / °C
RED CONTINUOUS FORWARD CURRENT	I AF	30.0	mA
GREEN 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			

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	—	150	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	660	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	μA

GREEN ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )						
TA = 25°C						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V F	I F = 20mA	—	2.2	—	V
LUMINOUS INTENSITY	I V	I F = 20mA	—	75	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	570	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	μA



UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B