

JOINSCAN LEDs

Ø 10.0 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP	
MODEL NO.	L105SIM+
EMITTING COLOR	GREEN / SUPER RED
DICE	GaP / GaAlAs
LENS	DIFFUSION TYPE

ABSOLUTE MAXIMUM RATINGS (最大極限值) TA = 25 °C			
PARAMETER	SYMBOL	RATING	UNIT
D1 GREEN POWER DISSIPATION	P AD	42.0	mW
D2 SUPER RED POWER DISSIPATION	P AD	54.0	mW
DERATING LINEAR FROM 25 °C		0.27	m / °C
D1 GREEN CONTINUOUS FORWARD CURRENT	I AF	20.0	mA
D2 SUPER RED CONTINUOUS FORWARD CURRENT	I AF	30.0	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 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	—	20	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	570	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	μA

D2 SUPER 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	—	200	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	645	—	nm
REVERSE CURRENT	I R	VR = 5V	—	—	100	μA

