

■ Features

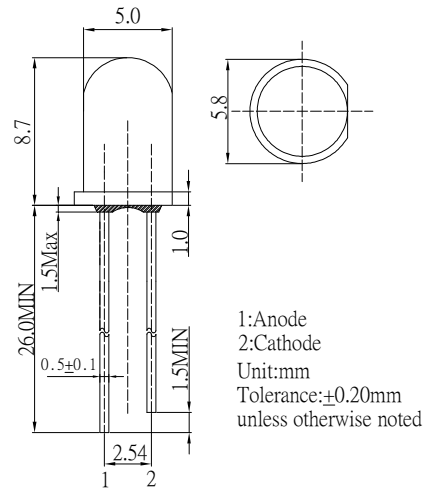
- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Color Transparent Type/Water Clear Type

Rohm: 570 Series

■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting/ Other Lighting

■ Outline Dimension

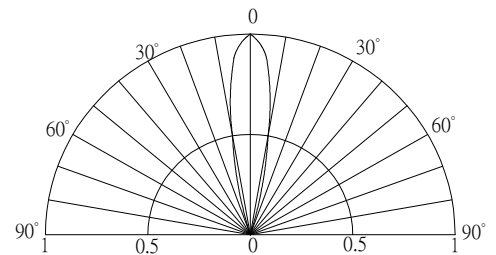


■ Absolute Maximum Rating (Ta=25°C)









Item	Symbol	Value	Unit
		YG/Y/O/R	
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	78	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

■ Directivity



■ Electrical -Optical Characteristics (Ta=25°C)









Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)			W_d (nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20mA$			$V_R=5V$	$I_F=20mA$						
OSG8NU5121A	Yellow Green	YG		1.8	2.1	2.6	10	500	750	-	565	570	575	20
OSY5LU5121A	Yellow	Y		1.8	2.1	2.6	10	750	1120	-	585	590	595	20
OSY5JA5121A	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	20
OSY5RU5121A	Yellow	Y		1.8	2.1	2.6	10	3000	4200	-	585	590	595	20
OSO5JA5121A	Orange	O		1.8	2.1	2.6	10	2180	3000	-	600	605	610	20
OSR5JA5121A	Red	R		1.8	2.1	2.6	10	1560	2180	-	620	625	630	20
OSR5RU5121A	Red	R		1.8	2.1	2.6	10	3000	4200	-	620	625	630	20
OSR6LU5121A	Red	R		1.8	2.1	2.6	10	750	1560	-	630	640	650	20

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V

■Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color			VF (V)			IR(μA)	Iv(mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				IF=20mA			VR=5V	IF=20mA						
OSG8NU5123A	Yellow Green	YG		1.8	2.1	2.6	10	500	750	-	565	570	575	20
OSY5LU5123A	Yellow	Y		1.8	2.1	2.6	10	750	1120	-	585	590	595	20
OSY5JA5123A	Yellow	Y		1.8	2.1	2.6	10	1560	2180	-	585	590	595	20
OSY5RU5123A	Yellow	Y		1.8	2.1	2.6	10	3000	4200	-	585	590	595	20
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*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V