

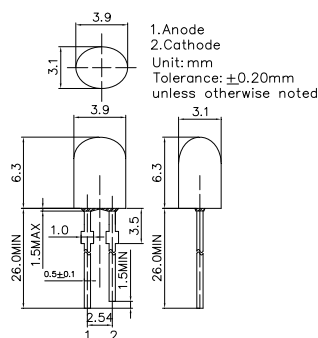
■Features

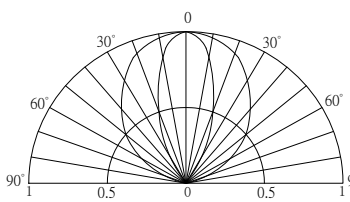
- High Luminous LED
- 3.9x3.1mm Round Standard Directivity
- Long Lifetime Operation
- Color Diffused / White Diffused (W, M only)

■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)						■Directivity	
Item	Symbol	Value			Unit		
		W/M/B/PG	Y5JA/O5JA/R5JA	Y5PA/O5PA/R5PA			
DC Forward Current	I _F	30	30	50	mA		
Pulse Forward Current#	I _{FP}	100	100	120	mA		
Reverse Voltage	V _R	5	5	5	V		
Power Dissipation	P _D	102	78	130	mW		
Operating Temperature	Topr	-30 ~ +85			°C		
Storage Temperature	Tstg	-40 ~ +100			°C		
Lead Soldering Temperature	Tsol	260°C/5sec			-		

#Pulse width Max 0.1ms, Duty ratio max 1/10

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

Part Number	Color			V _F (V)*		I _R (μA)		I _v (mcd)*			λD (nm)*			2θ1/2 (deg)	
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	
				I _F =20mA		V _R =5V		I _F =20mA			I _F =20mA				
OSW5DK43A2D	Cool White	W		-	2.9	3.4	10	2180	3000	-	Typ.X:0.27, Y:0.28			100/40	
OSM5DK43A2D	Warm White	M		-	2.9	3.4	10	2180	3000	-	Typ.X:0.45, Y:0.41			100/40	
OSB5SA43A2D	Blue	B		-	2.9	3.4	10	1120	1560	-	465	470	475	100/40	
OSB5DA43A2D	Blue	B		-	2.9	3.4	10	1560	2180	-	465	470	475	100/40	
OSG5DA43A4D	Pure Green	PG		-	2.9	3.4	10	2180	3000	-	520	525	530	100/40	
OSG58A43A4D	Pure Green	PG		-	2.9	3.4	10	4200	5800	-	520	525	530	100/40	
OSY5JA43A4D	Yellow	Y		-	2.1	2.6	10	330	500	-	585	590	595	100/40	
OSY5PA43A4D	Yellow	Y		-	2.1	2.6	10	2180	3000	-	585	590	595	100/40	
OSO5JA43A4D	Orange	O		-	2.1	2.6	10	330	500	-	600	605	610	100/40	
OSO5PA43A4D	Orange	O		-	2.1	2.6	10	2180	3000	-	600	605	610	100/40	
OSR5JA43A4D	Red	R		-	2.1	2.6	10	330	500	-	620	625	630	100/40	
OSR5PA43A4D	Red	R		-	2.1	2.6	10	2180	3000	-	620	625	630	100/40	

*1 Tolerance of measurements of Domi. wavelength is ±1nm *2 Tolerance of measurements of chromaticity coordinates is ±10%

*3 Tolerance of measurements of luminous intensity is ±15% *4 Tolerance of measurements of forward voltage is ±0.1V