

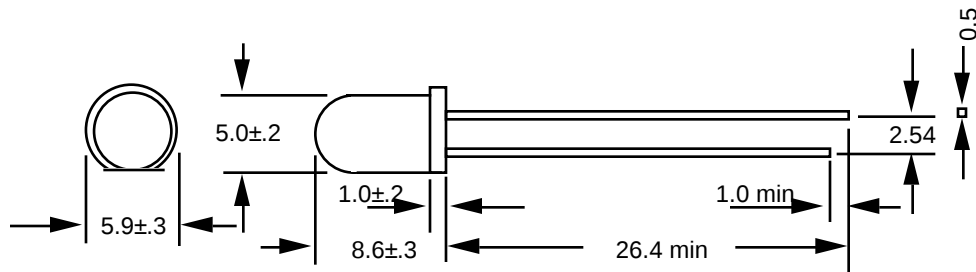
J Series, Blue & White LEDs, Water Clear LED, 4251 J Series T-1 3/4, 5mm Round, Hi-Efficiency



The J series lamps are made with AlInGaP chips which can be used for standard brightness at low current (2mA) or super brightness at standard current (20mA). The Blue LEDs are made with GaN/SiC (428nm) and InGaN/SiC (468nm) chips. The White LEDs are made with GaN chips. Blue and white should only be used when these colors are necessary for the application and higher cost is acceptable. Please note the long lead is the anode.



RoHS Compliant
Aug 2004



GENERAL INFORMATION

Operating Temperature Range	-30 °C to +85 °C
Storage Temperature Range	-55 °C to +100 °C
Reflow Soldering Temperature	260 °C for 5 sec max

APPLICATION INFORMATION (ALL RATINGS AT 25 °C AMBIENT)

Part No.	Emitted Color	Peak	$\Delta\lambda$	Absolute Maximum Ratings					E/O Characteristics					
		λ		Pd	If (mA)		Ir	Vr	Iv (mcd) @ If=20mA			Vf (V) @ If=20mA		$2\Theta_{1/2}$
		(nm)	(nm)	(mW)	dc	1/10 duty @ 1 khz	@Vr=5V (μ A)	(V)	2mA	Min	Typ	Min	Typ	(Deg)
JRC4251	Red	632	20	60	25	160	10	5	50	340	890	2.0	2.4	10
JGC4251	Green	575	20	60	25	160	10	5	14	230	340	2.0	2.4	10
JGC4251-2	Green	575	20	60	25	160	10	5	14	450	620	2.0	2.4	10
JYC4251	Yellow	591	15	60	25	160	10	5	61	410	1080	2.0	2.4	10
JOC4251	Orange	621	18	60	25	160	10	5	65	430	1150	2.0	2.4	10
JDC4251	DeepRd	650	20	60	25	160	10	5	38	370	630	2.0	2.4	10
JYOC4251	YelOrng	611	17	60	25	160	10	5	64	420	1110	2.0	2.4	10
IUBC4251	Blue	428	65	140	25	70	50	5	-	250	400	3.8	4.5	10
IUBC4251-7	Blue	468	26	120	25	-	50	5	-	400	630	3.5	4.0	10
IUWC4251	White	-	-	120	25	100	10	5	-	1300	1700	3.6	4.0	20

Specifications subject to change without notice. Dimensions are in mm±0.3 unless stated otherwise.

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