

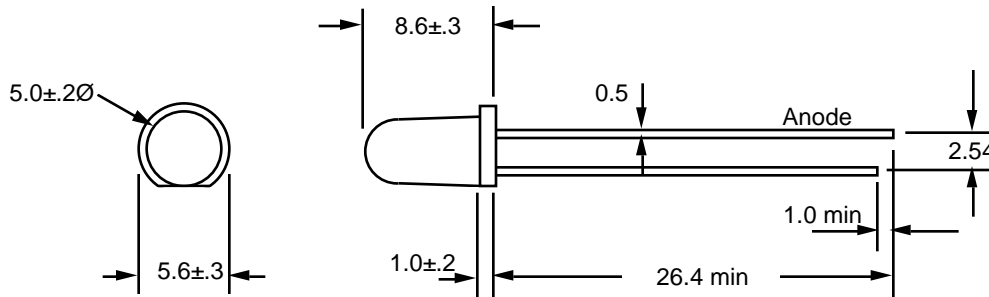
J Series, Small View Angle, Blue & White LEDs, Water Clear LED, 4381 J Series T-1 3/4, 5mm Round, Hi-Efficiency, Tapered Lens



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). This tapered lens is ideal for higher intensity when a smaller viewing angle is acceptable. 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.



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		Absolute Maximum Ratings					E/O Characteristics					
		λ	$\Delta\lambda$	Pd	If (mA)		Ir	Vr	Iv (mcd) @ If=20mA			Vf (V) @ If=20mA		2 $\Theta_{1/2}$ (Deg)
		(nm)	(nm)		dc	1/10 duty @ 1 kHz			@ Vr=5V (μ A)	(V)	2mA	Min	Typ	
JRC4381	Red	632	20	60	25	160	10	5	69	950	2460	2.0	2.4	6
JGC4381	Green	575	20	60	25	160	10	5	27	300	440	2.0	2.4	6
JYC4381	Yellow	591	15	60	25	160	10	5	87	1160	3100	2.0	2.4	6
JOC4381	Orange	621	18	60	25	160	10	5	93	1240	3290	2.0	2.4	6
JDC4381	DeepRd	650	20	60	25	160	10	5	70	970	1680	2.0	2.4	6
JYOC4381	YelOrng	611	17	60	25	160	10	5	90	1200	3200	2.0	2.4	6
IUBC4381-7	Blue	468	26	120	25	-	50	5	-	500	1000	3.5	4.0	6
IUWC4381	White	-	-	120	25	100	10	5	-	1500	2300	3.6	4.0	13

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

IDEA, Inc., 1351 Titan Way, Brea, CA 92821 Ph:714-525-3302, 800-LED-IDEA; Fax: 714-525-3304 0508