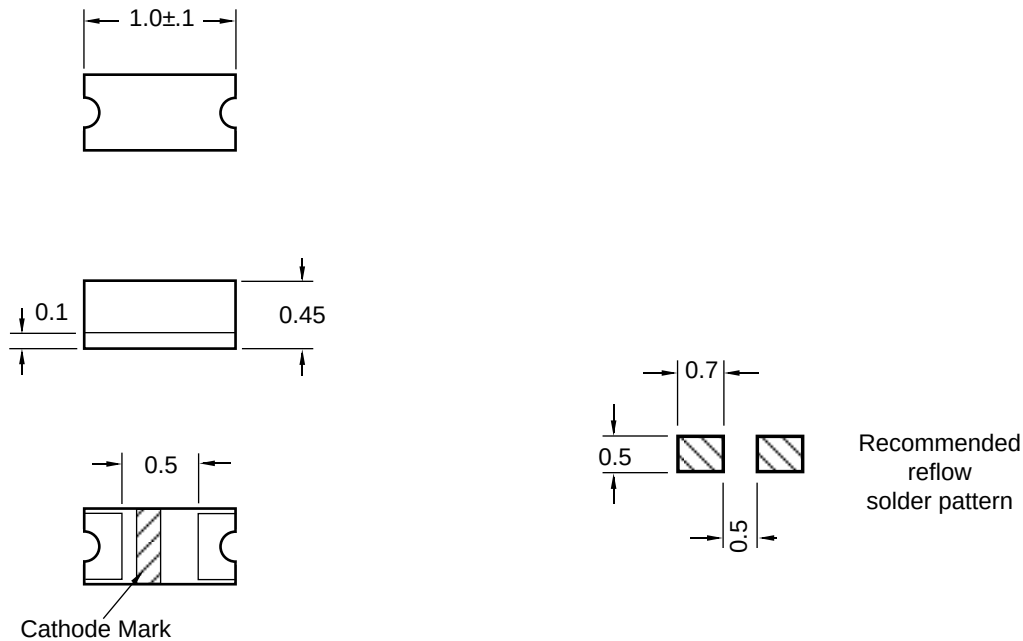


Surface Mount LED J Series for low current or superbright use, 0168 Series “0402” Package, mini-chip



The 0168 series lamps are chip type 0402 size package designed for surface mounting. These lamps are very small and are used in applications where miniaturization is of primary concern. These lamps are available in EIA481 tape and reel packaging with 3000 pcs per reel.



GENERAL INFORMATION

Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-40 °C to +90 °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							I_v (mcd) @ $I_f=20\text{mA}$			V_f (V) @ $I_f=20\text{mA}$		$2\theta_{1/2}$
		(nm)	(nm)	P_d (mW)	I_f (mA) dc	I_r @ $V_r=5V$ (μA) 1/10 duty @ 1 kHz	V_r (V)		2mA	Min	Typ	Min	Typ	(Deg)
JRC0168	Red	632	20	60	25	160	10	5	2	15	36	2.0	2.4	120
JGC0168	Green	575	20	60	25	160	10	5	1	10	15	2.0	2.4	120
JYC0168	Yellow	591	15	60	25	160	10	5	2	15	38	2.0	2.4	120
JOC0168	Orange	621	18	60	25	160	10	5	2	15	38	2.0	2.4	120
JEC0168	OrRed	639	20	60	25	160	10	5	2	12	30	2.0	2.4	120
JYOC0168	YelOrng	611	17	60	25	160	10	5	2	15	38	2.0	2.4	120
JDC0168	DeepRd	650	20	60	25	160	10	5	2	12	30	2.0	2.4	120

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

IDEA, Inc., 1300-B Pioneer St., Brea, CA 92821

Ph:562-697-4332, 800-LED-IDEA; Fax: 562-690-1352 013S-J0168