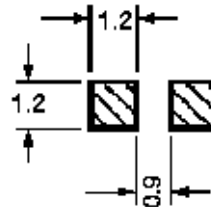
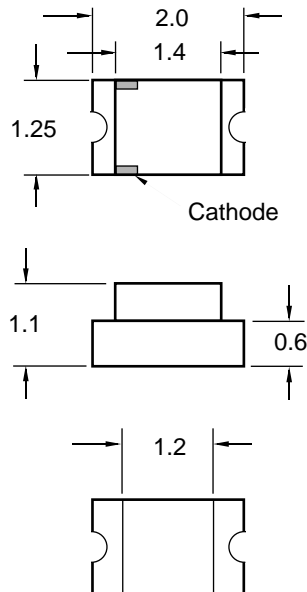


Surface Mount LED J Series for low current or superbright use, 0178 Series “0805” Package



The 0178 series lamps are miniature chip type designed for surface mounting. These lamps are of the so-called 0805 size, measuring approximately 1.25 x 2.0 mm. These lamps are in EIA481 tape and reel packaging with approximately 3000 pcs per reel.



Suggested pad dimensions
for reflow soldering



RoHS Compliant
Aug 2004

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		Absolute Maximum Ratings					E/O Characteristics					
		λ	$\Delta\lambda$	Pd (mW)	If (mA)		Ir @Vr=5V (μ A)	Vr (V)	Iv (mcd) @If=20mA		Vf (V) @ If=20mA		2 $\Theta_{1/2}$ (Deg)	
		(nm)	(nm)		dc	1/10 duty @ 1 khz			2mA	Min	Typ	Min		Typ
JRC0178	Red	632	20	60	25	160	10	5	3	17	42	2.0	2.4	140
JGC0178	Green	575	20	60	25	160	10	5	1	12	17	2.0	2.4	140
JYC0178	Yellow	591	15	60	25	160	10	5	3	17	43	2.0	2.4	140
JOC0178	Orange	621	18	60	25	160	10	5	3	17	43	2.0	2.4	140
JEC0178	OrRed	639	20	60	25	160	10	5	2	16	34	2.0	2.4	140
JYOC0178	YelOrng	611	17	60	25	160	10	5	3	17	43	2.0	2.4	140

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

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0502-J0178