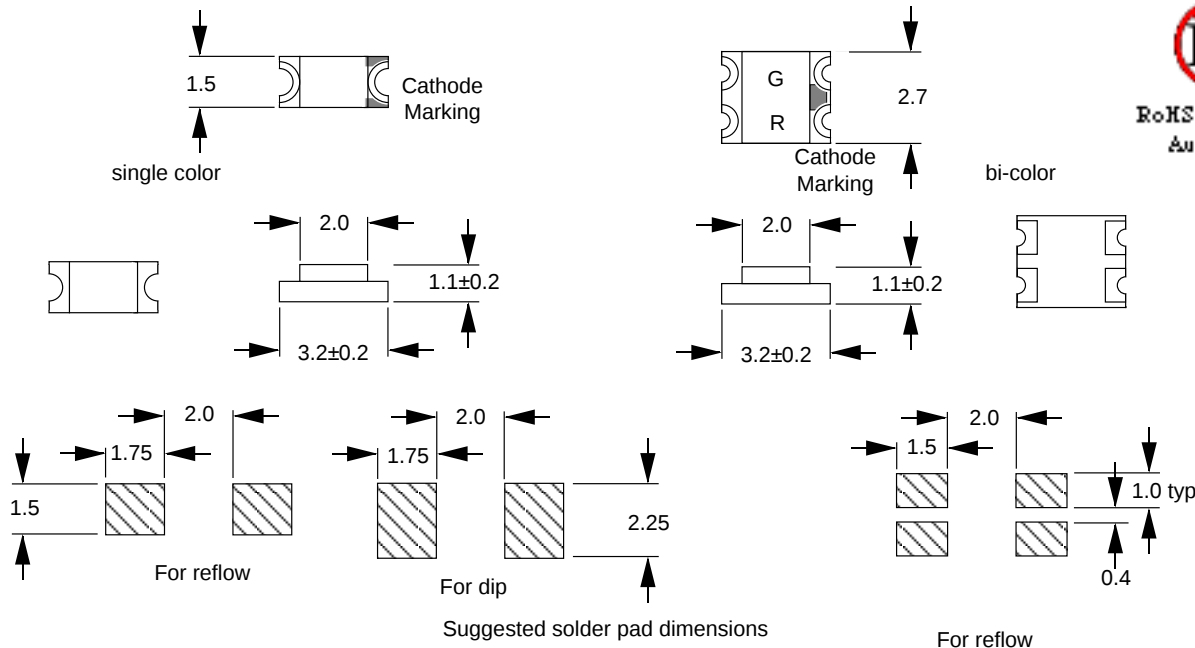


Surface Mount LED, 0158 Series “1206” Package



The 0158 series lamps are miniature chip type designed for surface mounting. These lamps are of the so-called 1206 size, measuring approximately 1.6x3.2 mm (single color) and 2.7x3.2 mm (bi-color). They are available in EIA481 t&r packaging with 2000 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		Pd	If (mA)		Ir	Vr	Vf (V) @If=20mA			Iv (mcd) @ If=20mA		$2\theta_{1/2}$
		(nm)	(nm)		dc	1/10 duty @ 1 kHz			Min	Typ	Max	Min	Typ	
ISRC0158	Red	660	20	100	30	200	100	5	—	1.7	2.4	7	18	140
IVRC0158	Red	640	45	70	25	90	100	5	—	2.0	2.8	4	9	140
IVYC0158	Yellow	585	35	70	20	90	100	5	—	2.0	2.8	4	9	140
IVGC0158	Green	570	30	70	25	90	100	5	—	2.1	2.8	7	13	140
IURC0158*	Red	660	20	100	30	200	100	5	—	1.7	2.4	22	38	140
IUYC0158	Yellow	590	15	70	30	160	100	5	—	2.1	2.8	27	47	140
IUGC0158	Green	570	30	70	30	160	100	5	—	2.1	2.8	8	15	140
IVRD0158	Red	640	45	70	25	90	100	5	—	2.0	2.8	3	7	140
IVYD0158	Yellow	585	35	70	20	90	100	5	—	2.0	2.8	6	9	140
IVGD0158	Green	570	30	70	25	90	100	5	—	2.1	2.8	4	7	140
IVRVGC0158	Red	640	45	70	25	90	100	5	—	2.0	2.8	4	9	140
	Green	570	30	70	25	90	100	5	—	2.1	2.8	7	13	140
ISRVGC0158	Red	660	20	100	30	200	100	5	—	1.8	2.4	10	18	140
	Green	570	30	70	25	90	100	5	—	2.1	2.8	7	13	140
IUBC0158	Blue	428	65	140	30	70	50	5	-	3.8	4.5	14	18	140
IUBC0158-7	Blue	468	26	140	30	70	50	5	-	3.5	4.0	18	23	140

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

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