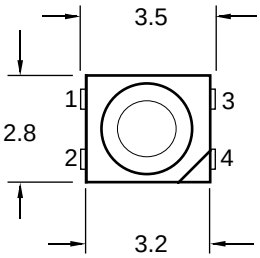
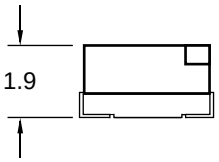
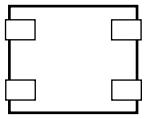
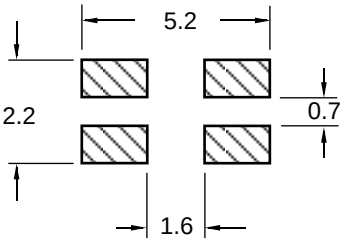
Surface Mount LED,
0678 Multicolor Series

The 0670 series lamps are miniature chip type designed for surface mounting. These lamps are the so-called "Top LED" type, measuring approximately 2.8 x 3.6 mm. These lamps are available in EIA481 tape and reel packaging with approximately 2000 pcs per reel. For tape and reel packaging the series number is 0678.









Recommended reflow solder pattern

Pin assignments:

Bi-color: 1. Green cathode
2. Red anode
3. Green anode
4. Red cathode

Full color: 1. Red cathode
2. Common Anode
3. Blue cathode
4. Green cathode

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 λ (nM)	Δλ (nM)	Absolute Maximum Ratings: Pd (mW)	If (mA) dc	If (mA) 1/10 duty @ 1 khz	Ir @Vr=5V (μA)	Vr (V)	E/O Characteristics: Vf (V) @If=20mA Min	Vf (V) @If=20mA Typ	Vf (V) @If=20mA Max	Iv (mcd) @ If=20mA Min	Iv (mcd) @ If=20mA Typ	$2\Theta_{1/2}$ (Deg)
IVRVGC0678	Red	640	45	70	25	90	100	5	–	2.0	2.8	6	10	120
	Green	570	30	70	25	90	100	5	–	2.1	2.8	15	25	120
ISRUGC0678	Red	660	20	100	30	200	100	5	–	1.7	2.4	19	32	120
	Green	570	30	70	30	90	100	5	–	2.1	2.8	16	28	120
ISRVGC0678	Red	660	20	100	30	200	100	5	–	1.7	2.4	19	32	120
	Green	570	30	70	25	90	100	5	–	2.1	2.8	15	25	120
ISRUGUBC0678	Red	660	20	100	30	200	100	5	–	1.7	2.4	17	28	120
	Green	570	30	70	30	90	100	5	–	2.1	2.8	17	28	120
	Blue	430	65	100	30	100	100	5	-	4.5	5.5	32	46	120
ISRVGUBC0678	Red	660	20	100	30	200	100	5	–	1.7	2.4	17	28	120
	Green	570	30	70	25	90	100	5	–	2.1	2.8	16	26	120
	Blue	430	65	100	30	100	100	4	3.5	4.5	5.5	32	46	120

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

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

009S-0670m