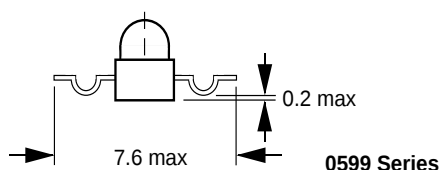
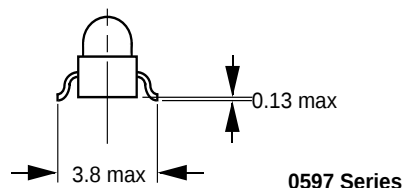
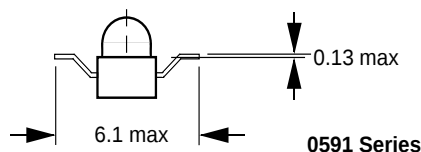
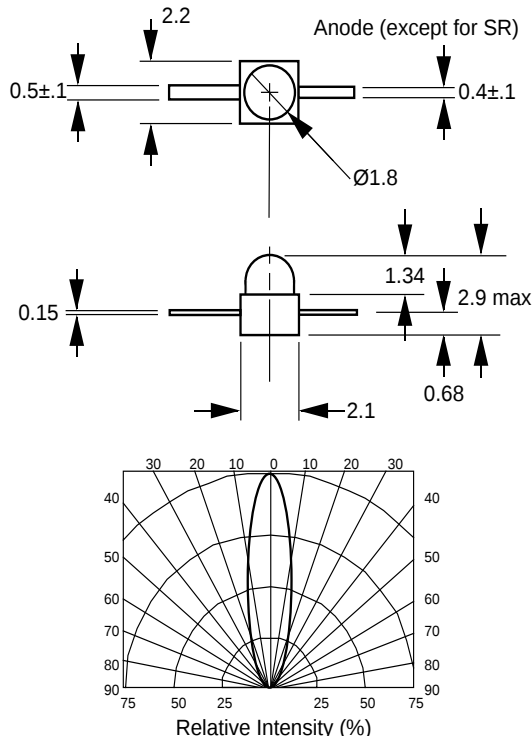


T-5/8 Surface Mounting Tape & Reel Package, 0591, 0597, 0599 Series Super Brights



The 059X series of tape and reel packaged subminiature lamps are designed for automated surface mount applications. The different series indicate lead shaping from the same LED type. The body shape is more square. These lamps are compatible with vapor phase reflow surface mounting as well as conventional soldering.



GENERAL INFORMATION

Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-40 °C to +85 °C
Lead Soldering Temperature	240 °C for 3 sec
Preheat Temperature	100 °C

APPLICATION INFORMATION (ALL RATINGS AT 25 °C AMBIENT)

Part No.	Chip		Peak	$\Delta\lambda$	Absolute Maximum Ratings					E/O Characteristics					
	Material	Emitted Color	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	(Deg)
IUYC0591	AlGaInP	Yellow	591	-	-	-	-	-	-	-	2.0	2.4	573	860	30
IUSOC0591	AlGaInP	Sunset	621	-	-	-	-	-	-	-	2.0	2.4	573	860	30
ISURC0591	AlGaInP	Red	632	-	-	-	-	-	-	-	2.0	2.4	550	820	30
IUBC0591	GaN/SiC	Blue	430	-	-	-	-	-	-	-	3.8	4.5	178	289	30
IUYC0597	AlGaInP	Yellow	591	-	-	-	-	-	-	-	2.0	2.4	573	860	30
IUSOC0597	AlGaInP	Sunset	621	-	-	-	-	-	-	-	2.0	2.4	573	860	30
ISURC0597	AlGaInP	Red	632	-	-	-	-	-	-	-	2.0	2.4	550	820	30
IUBC0597	GaN/SiC	Blue	430	-	-	-	-	-	-	-	3.8	4.5	178	289	30
IUYC0599	AlGaInP	Yellow	591	-	-	-	-	-	-	-	2.0	2.4	573	860	30
IUSOC0599	AlGaInP	Sunset	621	-	-	-	-	-	-	-	2.0	2.4	573	860	30
ISURC0599	AlGaInP	Red	632	-	-	-	-	-	-	-	2.0	2.4	550	820	30
IUBC0599	GaN/SiC	Blue	430	-	-	-	-	-	-	-	3.8	4.5	178	289	30

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 984S-0670