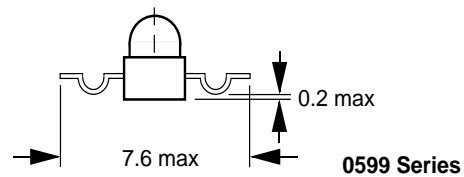
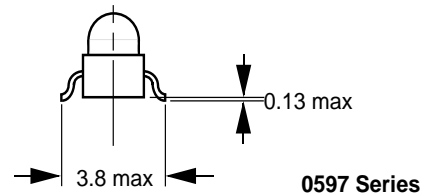
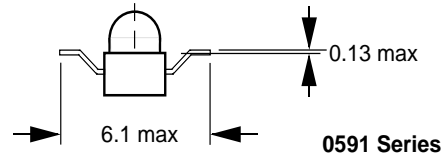
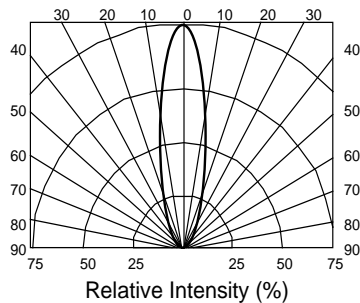
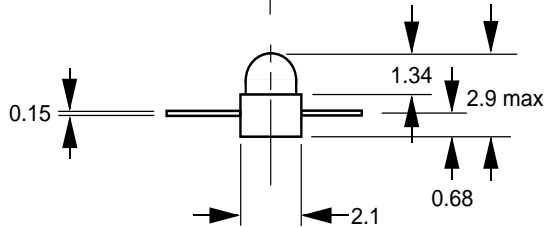
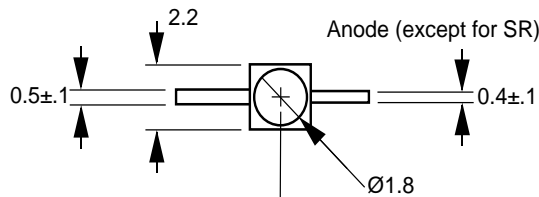


T-5/8 Surface Mounting Tape & Reel Package, 0591, 0597, 0599 Series



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



RoHS Compliant
Aug 2004

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)			(mW)	dc			1/10 duty @ 1 kHz	@ Vr=5V (μ A)	(V)	Min	Typ	
ISRC059X	GaAlAs	Red	660	20	100	30	150	10	5	-	1.7	2.4	60	100	25
IVRC059X	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	16	25	25
IVGC059X	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	12	20	25
IVYC059X	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	16	25	25
IUBC059X	GaN/SiC	Blue	428	65	140	30	70	50	5	-	3.8	4.5	160	203	25
IUBC059X7	InGaN/SiC	Blue	468	26	140	30	70	50	5	-	3.5	4.0	213	270	25

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

013S-059X