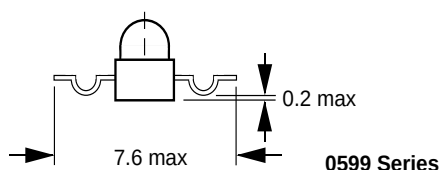
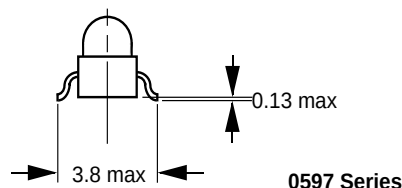
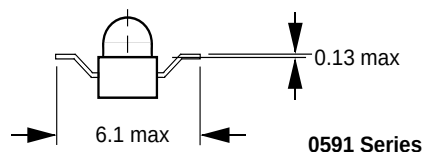
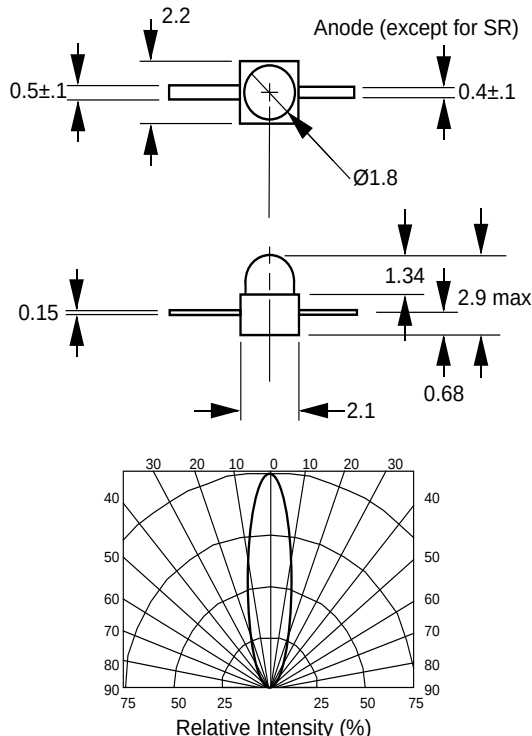


T-5/8 Surface Mounting Tape & Reel Package, 0591, 0597, 0599 Series



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

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	
ISRC0591	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	60	100	25
IVRC0591	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	16	25	25
IVGC0591	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	12	20	25
IVYC0591	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	16	25	25
ISRC0597	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	60	100	25
IVRC0597	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	16	25	25
IVGC0597	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	12	20	25
IVYC0597	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	16	25	25
ISRC0599	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	60	100	25
IVRC0599	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	16	25	25
IVGC0599	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	12	20	25
IVYC0599	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	16	25	25

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

IDEA, Inc., 1300-B Pioneer St., Brea, CA 92821

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