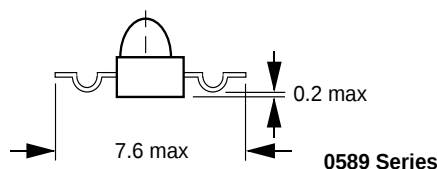
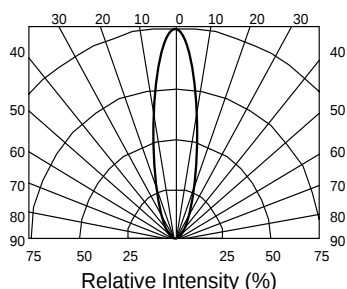
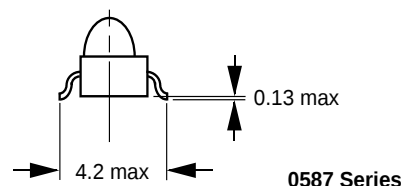
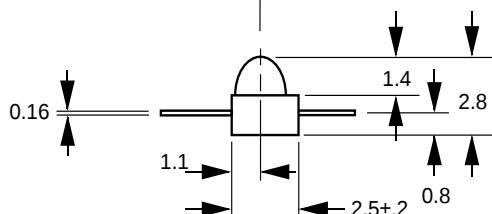
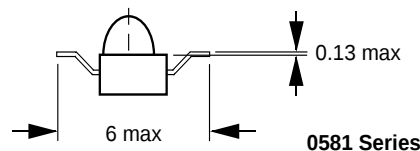
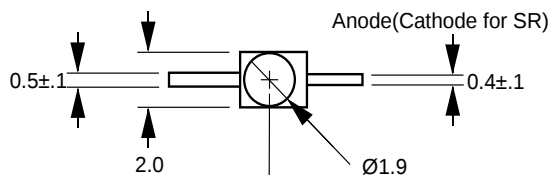


T-5/8 Surface Mounting Tape & Reel Package, 0581, 0587, 0589 Series



The 058X 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. When packaged in bulk without lead forming the series is 0580. 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	
ISRC0581	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	113	170	25
IVRC0581	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	48	80	25
IVGC0581	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	30	50	25
IVYC0581	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	18	30	25
ISRC0587	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	113	170	25
IVRC0587	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	48	80	25
IVGC0587	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	30	50	25
IVYC0587	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	18	30	25
ISRC0589	GaAlAs	Red	660	20	100	30	150	10	5	—	1.7	2.4	113	170	25
IVRC0589	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	48	80	25
IVGC0589	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	30	50	25
IVYC0589	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	18	30	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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