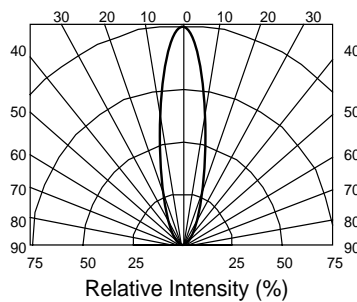
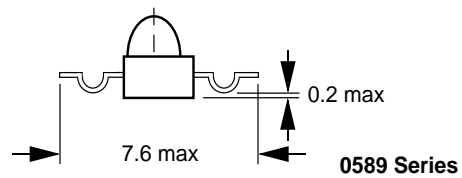
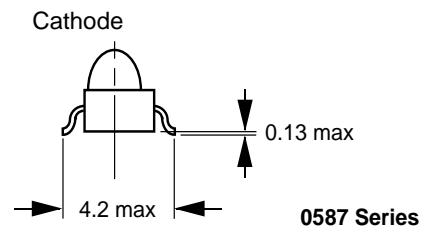
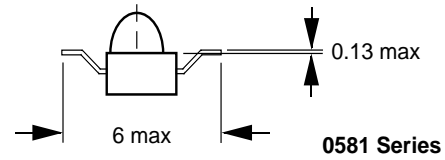
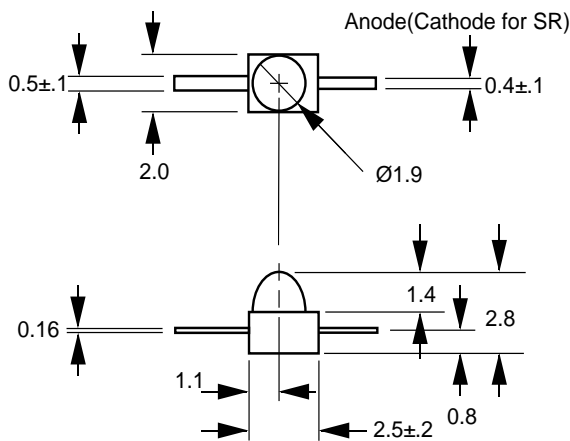


T-5/8 Surface Mounting Tape & Reel Package, 0581, 0587, 0589 Series



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



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	
ISRC058X	GaAlAs	Red	660	20	100	30	150	10	5	-	1.7	2.4	113	170	25
IVRC058X	GaAsP/GaP	Red	640	45	105	30	150	10	5	1.7	2.0	2.8	48	80	25
IVGC058X	GaP	Green	570	30	105	25	150	10	5	1.7	2.1	2.8	30	50	25
IVYC058X	GaAsP/GaP	Yellow	585	35	105	30	150	10	5	1.7	2.0	2.8	18	30	25
IUBC058X	GaN/SiC	Blue	428	65	140	30	70	50	5	-	3.8	4.5	160	203	25
IUBC058X7	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

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013S-058X