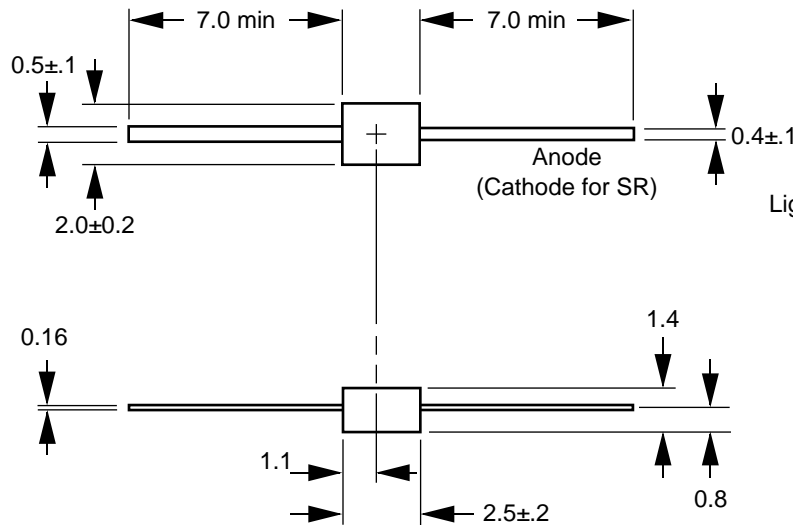


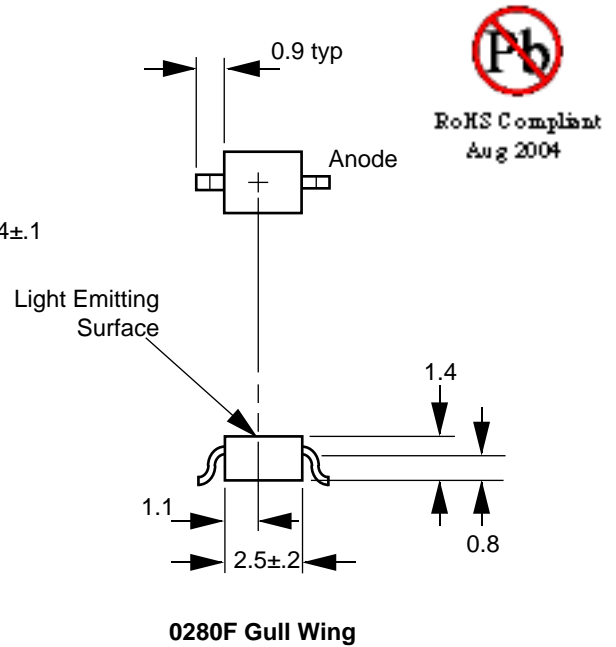
2 x 2.5 mm Axial Lead LED Lamp, 0280, 0280F and 0288F Series



The 0280 series is a subminiature package designed for applications such as PCB indication, switch backlighting, and keyboard illumination. Extra bright dice are used to obtain high light output with extra wide spatial distribution. The 0280 series is compatible with vapor phase reflow surface mounting as well as conventional soldering. For high volume applications, the 0280F with formed leads is also available in tape and reel as the 0288F series for automated equipment. There are no optical or electrical differences between the 0280 and 0288 series.



0280 Axial Lead



0280F Gull Wing

GENERAL INFORMATION

Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-40 °C to +100 °C
Lead Soldering Temperature, 1.6 mm from Body	260 °C for 5 sec

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	
ISRC0280	GaAlAs	Red	660	20	100	30	200	10	5	1.4	1.7	2.4	11	17	150
IVRC0280	GaAsP/ GaP	Red	640	45	70	25	90	10	5	1.7	2.0	2.8	1.5	3.0	150
IVYC0280	GaAsP/ GaP	Yellow	585	35	70	20	90	10	5	1.7	2.0	2.8	3.5	6.0	150
IVGC0280	GaP	Green	570	30	70	30	90	10	5	1.7	2.1	2.8	1.0	5.5	150

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

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984S-0280