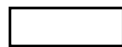
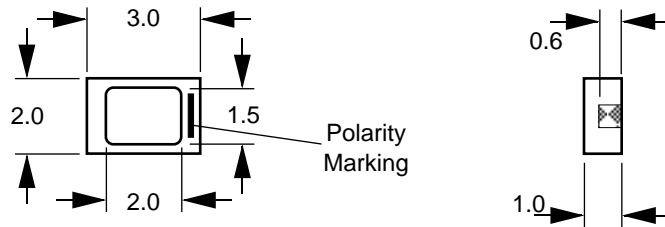


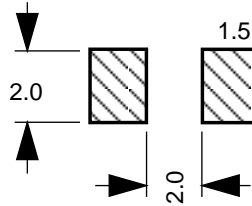
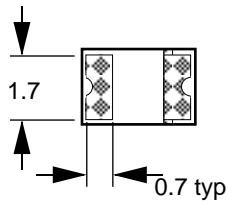
Surface Mount LED, 0550 Series



The 0550 series lamps are miniature chip type designed specifically for surface mounting. Ideal applications are circuit board status indicators or backlighting switches or key pads. These lamps are available in EIA481 tape and reel packaging with approximately 3000 pcs per reel.



Polarity Marking Indicates Cathode.
Except for IHRT0550 and IURT0550 where
Marking Indicates Anode.



Recommended
reflow
solder pattern

GENERAL INFORMATION

Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-40 °C to +90 °C
Lead Soldering Temperature, 1.6 mm from Body	260 °C for 5 sec max

APPLICATION INFORMATION (ALL RATINGS AT 25 °C AMBIENT)

Part No.	Emitted Color	Peak	$\Delta\lambda$	Absolute Maximum Ratings					E/O Characteristics					
		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	Max	
IHT0550	Red	700	90	45	15	50	100	5	–	2.1	2.8	–	1.7	–
IHRT0550	Red	660	20	100	30	200	100	5	–	1.8	2.0	–	10	–
IURT0550	Red	660	20	100	30	200	100	5	–	1.8	2.0	–	30	–
IET0550	Orange	635	45	70	25	90	100	5	–	2.1	2.8	–	9.0	–
IYT0550	Yellow	585	35	70	20	90	100	5	–	2.1	2.8	–	8.0	–
IGT0550	Green	565	30	70	25	90	100	5	–	2.1	2.8	–	12	–

Specifications subject to change without notice. Dimensions are in mm \pm 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

984S-0550