

OctoLED™



Lumex OctoLEDs™

At a time when most assemblies are moving toward surface-mount (SMT) technology, Lumex OctoLEDs represent a direct replacement to standard 5mm through-hole LEDs, making them ideal for any situation where there is a need to transition from through-hole to SMT technology, without sacrificing the light emission features of epoxy lenses. Lumex OctoLEDs are the first technology in the market to combine SMT convenience with through-hole features.

Features:

- Direct replacement to through-hole T5-MM LEDs
- Brightness levels of up to 14,000mcd or greater
Infinite capability based on compatible brightness of through-hole LED
- Available on standard 24mm tape for automatic insertion
- Meets RoHS soldering profile requirements of up to 10 seconds at 255°C
- Choice of colors and lens finishes

Applications:

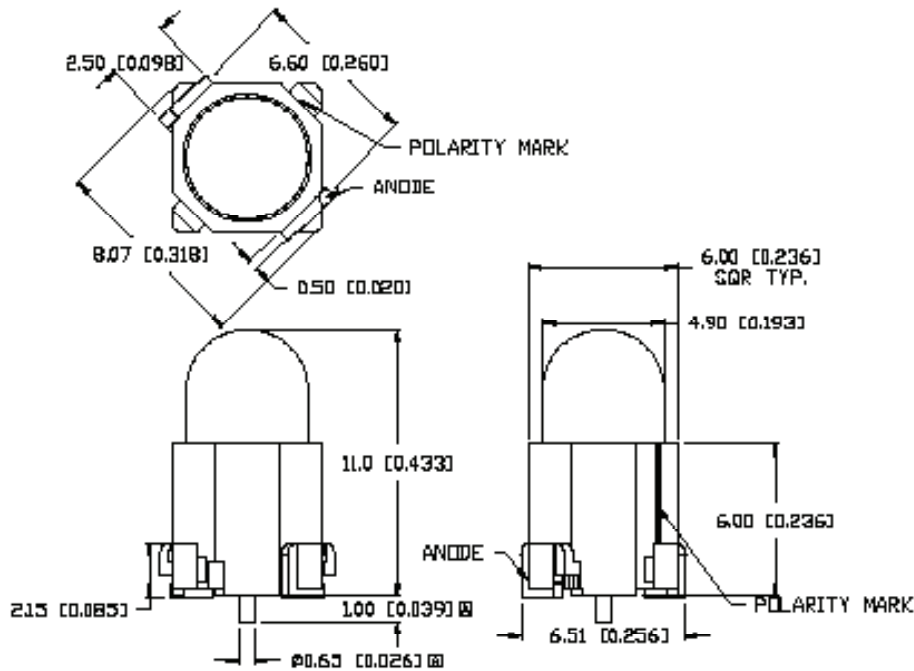
- Electronic billboards
- Mobile signage displays
- Architectural design

Markets:

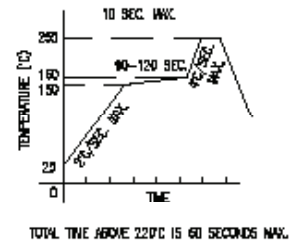
- Signage
- Advertising

LUMEX®
Creating LED and LCD Solutions Together™

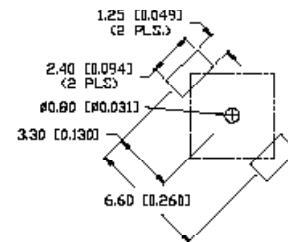
OctoLED™ Dome Lens Series



Lead Free Reflow Profile



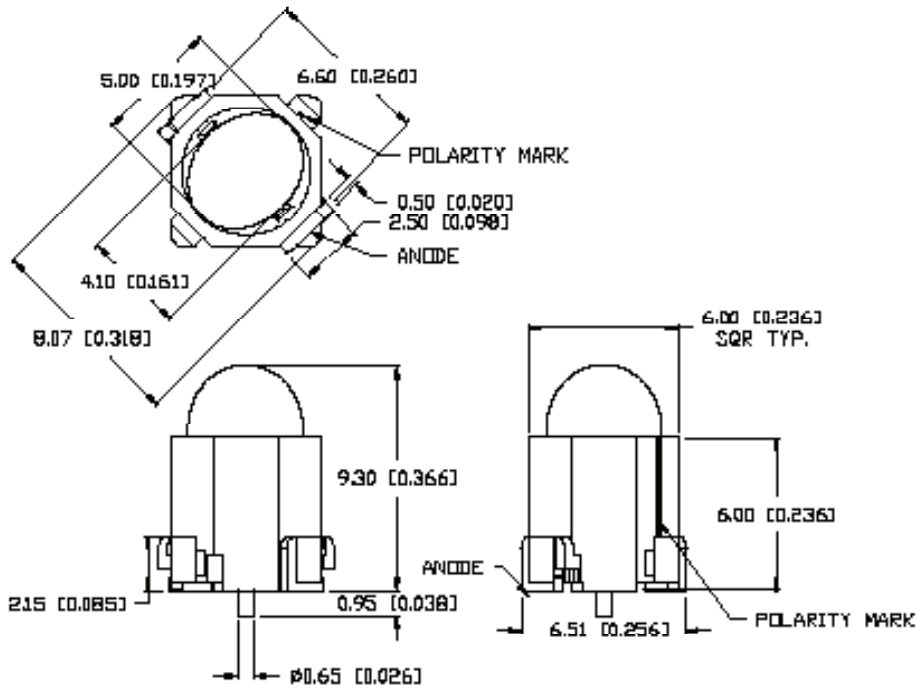
Recommended Pad Layout



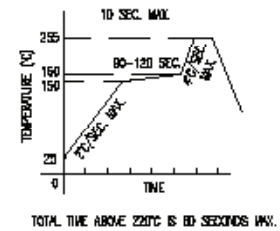
OctoLED: SML-H1505 Dome Lens Series	PN	Brightness	Die Material	Emitted Color	Peak Wavelength	Epoxy Lens	Operating Typ Vf (V)	Intensity @ 20mA (mcd)	View Angle 2x Theta
	SML-H1505SIC-TR	High	AllInGap	Red	635	Clear	2.0	700	60
SML-H1505SID-TR	High	AllInGap	Red	635	Diffused	2.0	460	65	
SML-H1505SIUGUBC-TR	High	AllInGaP	Red	635	Clear	2.0	1100	70	
	High	InGaN	Green	525			600		
	High	InGaN	Blue	470			2200		
SML-H1505SIUGUBW-TR	High	AllInGaP	Red	635	Milky	2.0	1100	60	
	High	InGaN	Green	525			600		
	High	InGaN	Blue	470			2200		
SML-H1505SOC-TR	High	AllInGap	Amber	610	Clear	2.0	1500	68	
SML-H1505SOD-TR	High	AllInGap	Amber	610	Diffused	2.0	1000	75	
SML-H1505SUGC-TR	High	AllInGap	Green	574	Clear	2.2	200	68	
SML-H1505UGD-TR	High	AllInGap	Green	574	Diffused	2.2	200	75	
SML-H1505SYC-TR	High	AllInGap	Yellow	590	Clear	2.0	750	60	
SML-H1505YD-TR	High	AllInGap	Yellow	590	Diffused	2.0	460	70	
SML-H1505UPGC-TR	High	InGaN	Green	525	Clear	3.4	7000	45	
SML-H1505UPGD-TR	High	InGaN	Green	525	Diffused	3.4	2200	60	
SML-H1505USBC-TR	High	InGaN	Blue	470	Clear	3.4	2500	40	
SML-H1505USBD-TR	High	InGaN	Blue	470	Diffused	3.4	1600	40	
SML-H1505UWC-TR	High	InGaN	White	-	Clear	3.3	14000	30	
SML-H1505UWW-TR	High	InGaN	White	-	Milky	3.3	3000	40	



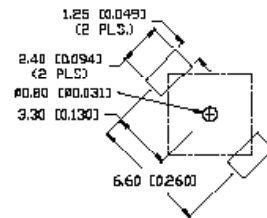
OctoLED™ Oval Lens Series



Lead Free Reflow Profile



Recommended Pad Layout



OctoLED: SML-H1505E Oval Lens Series									View Angle 2x Theta	
	PN	Brightness	Die Material	Emitted Color	Peak Wavelength	Epoxy Lens	Operating Typ Vf (V)	Intensity @ 20 mA (mcd)	X	Y
SML-H150ESID/1-TR	High	AllnGaP	Red	635	Red Diffused	2.1	4000	70	35	
SML-H150EUSBD-TR	High	InGaN	Blue	465	Blue Diffused	3.1	2800	60	35	
SML-H150EUPGD-TR	High	InGaN	Green	520	Green Diffused	3.1	8000	65	35	

