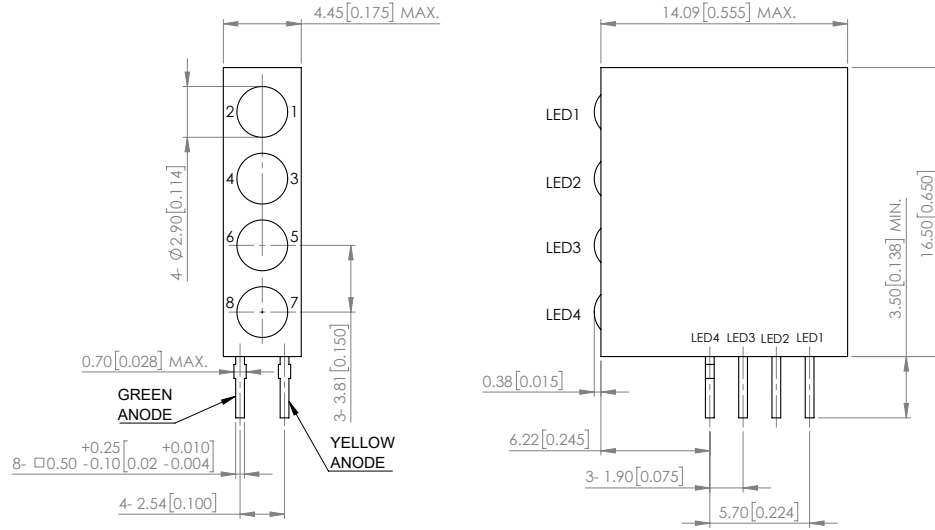


<b>PART NUMBER</b>		SSF-LXH450GYW	<b>REV</b>	A
<b>REV</b>	<b>E.C.N. NUMBER AND REVISION COMMENTS</b>		<b>DATE</b>	
A	ECN-Lumex201700097		10.25.17	



**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C**

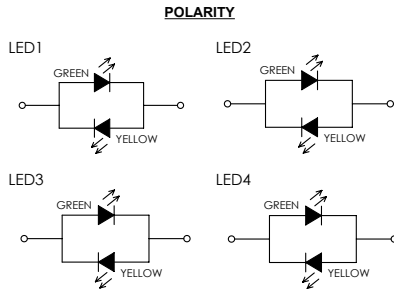
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAELENGTH	G	-	565	-	nm	If=20mA
	Y	-	585	-		
FORWARD VOLTAGE	G	-	2.2	2.5	Vf	If=20mA
	Y	-	2.1	2.5		
REVERSE CURRENT	-	-	100	uA	Vr=5V	
LUMINOUS INTENSITY	G	-	14	-	mcd	If=20mA
	Y	-	8	-		
VIEWING ANGLE	-	60	-	2x theta1/2	-	
EMITTED COLOR	GREEN / YELLOW					
EPOXY LENS FINISH	MIKLY WHITE DIFFUSED					

**ABSOLUTE MAXIMUM RATINGS TA=25°C**

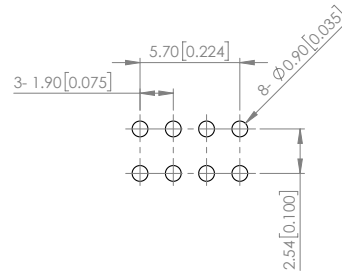
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (G/Y)*	140 / 140	mA
FORWARD CURRENT (G/Y)	25 / 30	mA
REVERSE VOLTAGE	5	V
POWER DISIPATION (G/Y)	62.5 / 75	mW
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMP.	3 SEC. MAX @ 260	°C

\* t<10us  
\*\* 2.00mm FROM BODY

**NOTE:**  
1. RoHS COMPLIANT.



**RECOMMENDED PCB LAYOUT**



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= <sup>±0.00</sup> DECIMAL PRECISION 0.00, MAX= <sup>±0.00</sup> DECIMAL PRECISION 0.00