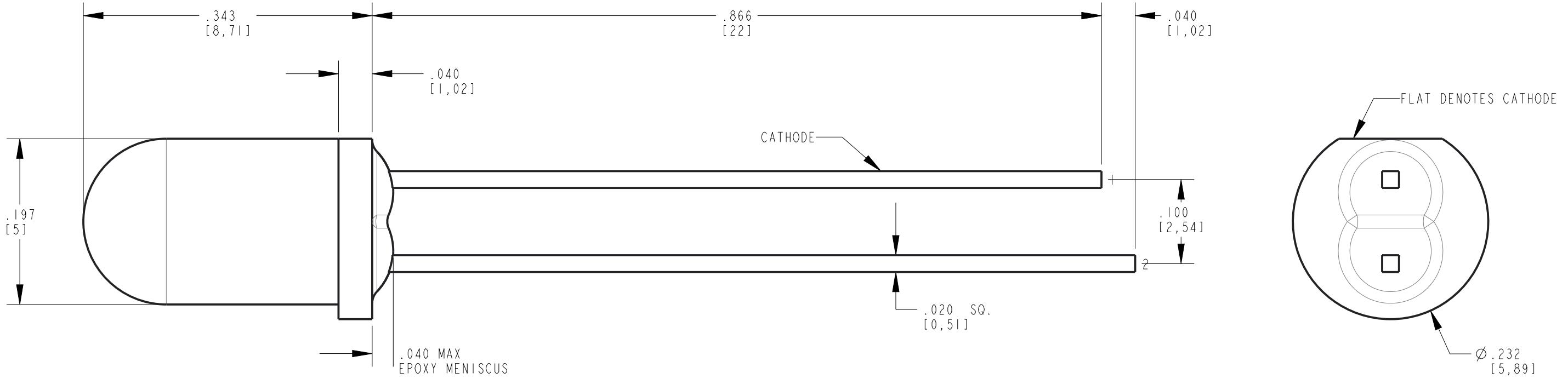


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC			
B	112415	REVISED LED SPECS & ADDED MATTE TIN ON NOTE 2	LD	CS	NO	12-12-23



## OPERATING CHARACTERISTICS AT 25°C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	2500		5500	μcd	$I_F = 20\text{mA}$
PEAK WAVELENGTH		626		nm	
DOMINANT WAVELENGTH	619	625	630	nm	
FORWARD VOLTAGE	1.9	2.1	2.2		$I_F = 20\text{mA}$
REVERSE CURRENT			10	μA	$V_R = 5\text{V}$
VIEWING ANGLE		30		DEGREES	

**ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT**

absolute maximum ratings at 25°C ambient	vceo	on
power dissipation	110	mW
linear derating from 60°C	1.14	mA/°
peak forward current (1/10 duty cycle, 0.1ms pulse width)	50	mA
continuous forward current	20	mA
reverse voltage	5	V
operating temperature	-40 to +100	°C
storage temperature	-55 to +100	°C
lead soldering temperature for 5 sec. (.0787" [2mm] from body)	260	°C



**ATTENTION:**  
**OBSERVE PRECAUTIONS FOR**  
**HANDLING ELECTROSTATIC**  
**SENSITIVE DEVICES**

## NOTES:

1. EPOXY COLOR: CLEAR NON-DIFFUSED.
2. DIE: TS AlInGaP, RED
3. LEAD FINISH: ROHS COMPLIANT MATTE TIN (Sn), SILVER (Ag), COPPER (Cu).
4. SOLDER ADHERANCE: BOTH LEADS PER MIL STD. 202E, METHOD 208C, EXCEPT STEAM AGING.
5. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
6. LEADS TO BE BULK PACKAGED 100 LEDS PER ANTI-STATIC GBAG WITH PN INTENSITY BINS, COLOR BINS IF APPLICABLE, LOT NUMBER OR DATE CODE AND COUNTRY OF ORIGIN.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES ESDS. MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610
9. DIALIGHT PART NUMBER: 521-9820F

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SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C - 17414	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: $\pm 1/64$		
DECIMALS (.XX): $\pm .02$		
DECIMALS (.XXX): $\pm .010$		
ANGLES: $\pm 1^\circ$		
FINISH		
FSCM 83330	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 <a href="http://www.dialight.com">www.dialight.com</a>	
SHEET 1 OF 1	FAMILY TABLE:	