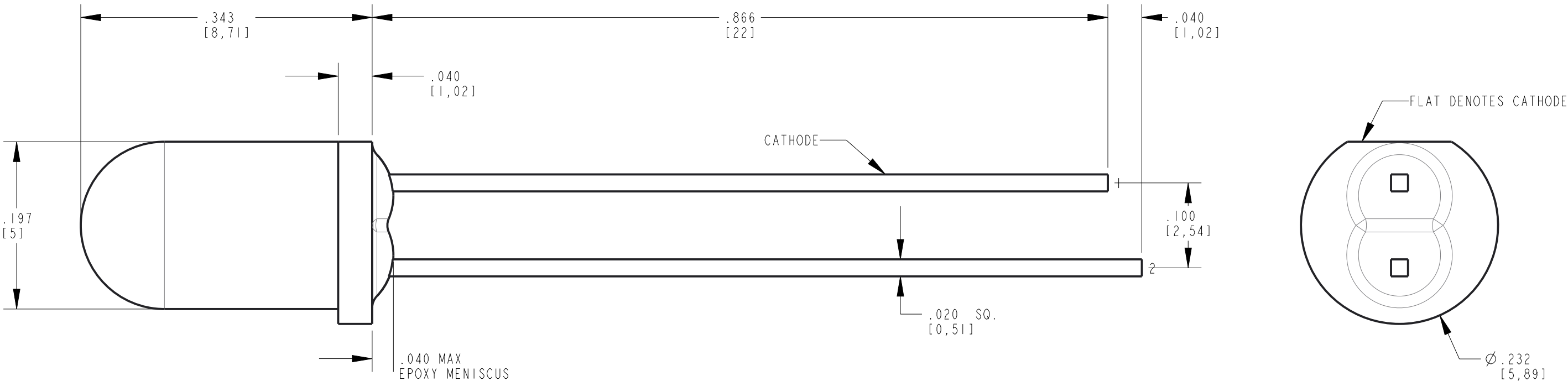


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC			
B	112415	REVISED LED SPECS & ADDED MATTE TIN ON NOTE 2	LD	CS	NO	12-12-23



NOTES:

- EPOXY COLOR: CLEAR NON-DIFFUSED.
- DIE: TS AlInGaP, RED
- LEAD FINISH: ROHS COMPLIANT MATTE TIN (SN), SILVER (Ag), COPPER (Cu).
- SOLDER ADHERANCE: BOTH LEADS PER MIL STD. 202E, METHOD 208C, EXCEPT STEAM AGING.
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- 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.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES ESDS. MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610
- DIALGIHT PART NUMBER:521-9820F

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	2500		5500	mcd	I _F = 20mA
PEAK WAVELENGTH		626		nm	
DOMINANT WAVELENGTH	619	625	630	nm	
FORWARD VOLTAGE	1.9	2.1	2.2		I _F = 20mA
REVERSE CURRENT			10	μA	V _R = 5V
VIEWING ANGLE		30		DEGREES	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		VALUE	UNITS
POWER DISSIPATION		110	mW
LINEAR DERATING FROM 60°C		1.14	mA/°C
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

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SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17414	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010	Ø5mm RED WC BULK PACKAGING	
ANGLES: ±1°	MATERIAL	
FINISH		
FSCM 83330		
	SHEET 1 OF 1	FAMILY TABLE: