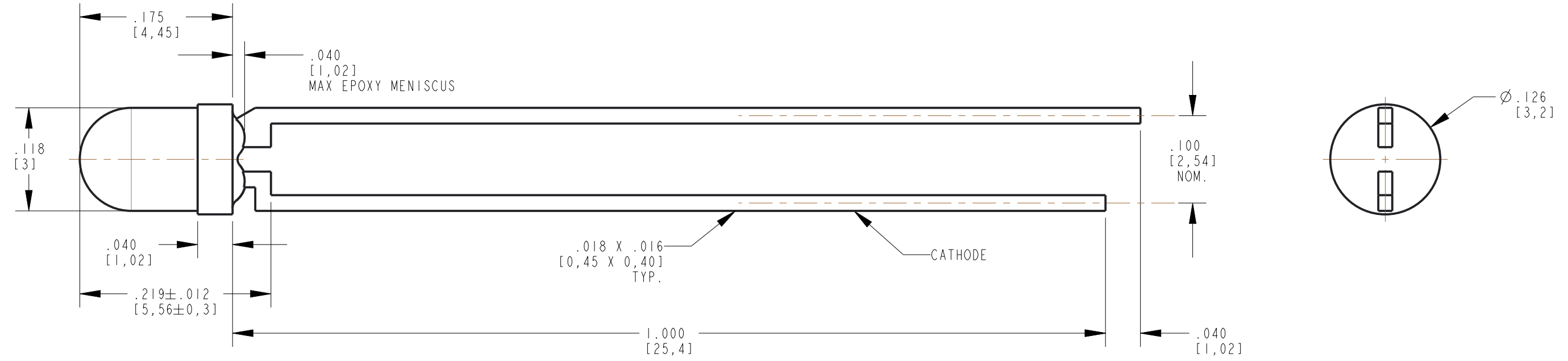


REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	138061	NEW RELEASE	LD	CS				2-9-26



NOTES:

1. DIALIGHT PART NO: 521-8745F
2. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
3. LEDS TO BE PACKAGED IN A TRANSPARENT STATIC SHIELDED METAL FOIL BAG WITH ESD LABELING OR EQUIVALENT
4. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS) MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-610
5. THIS PRODUCT IS ROHS COMPLIANT, EACH BAG IS MARKED WITH ROHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE PB FREE (ROHS COMPLIANT).

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	110	180	520	mc d	I _F = 20mA
FORWARD VOLTAGE		2.0	2.4	V	I _F = 20mA
PEAK EMISSION WAVELENGTH		639		nm	
DOMINANT WAVELENGTH		631		nm	
REVERSE CURRENT			100	µA	V _R = 5V
VIEWING ANGLE (2θ _{1/2})		56		DEGREES	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	75	mW
LINEAR DERATING FROM 30°C	0.50	mA/°C
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	90	mA
CONTINUOUS FORWARD CURRENT	30	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C
LEAD SOLDERING TEMPERATURE FOR 5 SEC. (.063" [1.6mm] FROM BODY)	260	°C



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521874516-A.2

SCALE: 8.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-18817	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	3MM RED LED	
FINISH	MATERIAL	
FSCM 83330		
	SHEET 1 OF 1	FAMILY TABLE:

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