

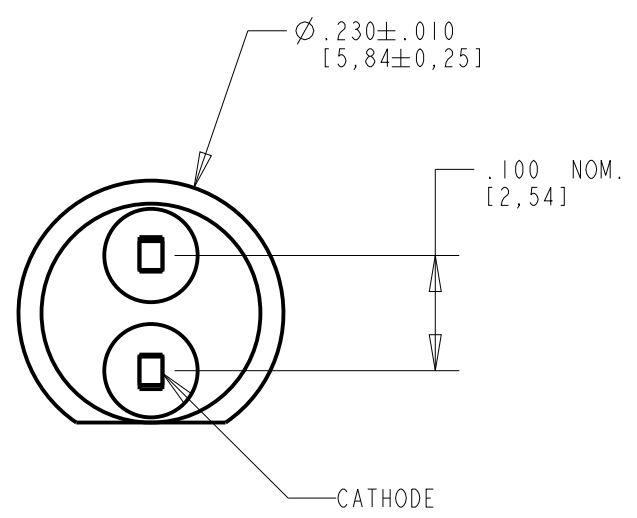
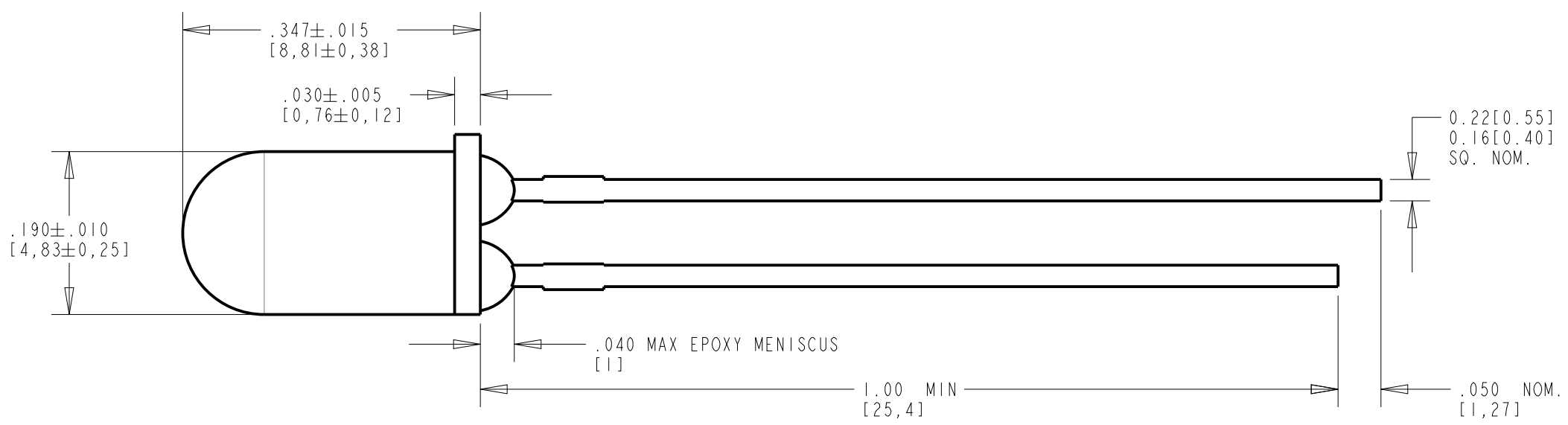
OPERATING CHARACTERISTICS AT T <sub>A</sub> = 25°C					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	2.1			mcd	V <sub>F</sub> = 5 V
PEAK WAVELENGTH		635		nm	
DOMINANT WAVELENGTH		626		nm	
VIEWING ANGLE (2 θ 1/2)		60		DEG	
FORWARD CURRENT		10	15	mA	V <sub>F</sub> = 5 V

ABSOLUTE MAXIMUM RATINGS AT T <sub>A</sub> = 25°C		
PARAMETER	VALUE	UNITS
DC FORWARD VOLTAGE	7.5	V
REVERSE VOLTAGE (I <sub>R</sub> = 100µA)	5	V
DERATING LINEARY FROM 50°C	.071	V/°C
OPERATING TEMPERATURE RANGE	-40 to +85	°C
STORAGE TEMPERATURE RANGE	-55 to +100	°C
SOLDER WAVE TEMPERATURE 3 SEC. MAX	250	°C
MANUAL SOLDER DIPPING 5 SEC.	260	°C

NOTES:

- LEADS: MILD STEEL, LEAD FINISH: TIN OVER SILVER AND COPPER.
- SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHOD 208C, EXCEPT STEAM AGING
- DIE: GaAsP/GaP HER RED.
- LENS: RED TINTED DIFFUSED.(5 VOLTS INTEGRAL RESISTOR LED)
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- DIALIGHT PART NUMBER 521-9183F
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	—	CE	N.O.	MES	4-9-07
B	—	REMOVED STANDOFFS; REMOVED STANDOFF DIMENSIONS; ".030±.005" WAS ".030 ±.050" IN ERROR; ".230±.010" WAS "R.115"; ".025 SQ. NOM. TYP" WAS ".025"; ".050 NOM" WAS ".050"; ADDED "1.00 MIN"; ADDED EPOXY DIMENSION; ADDED NOTE 7.	KLJ	NO	—	5-2-08
C	—	UPDATED 25 MILLS LEADFRAME THICKNESS TO 18 MILLS. ADDED DERATE LINEARLY IN ABSOLUTE MAXIMUM RATINGS TABLE.	BP	—	SK	3-21-17



**RoHS Compliant 521-9183F**

Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings.



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

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SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17474	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	LED, 5mm RED, 5 VOLTS	
DECIMALS (.XX): ±.01	INTEGRAL RESISTOR LED RoHS COMPLIANT	
DECIMALS (.XXX): ±.005	MATERIAL	
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330	<b>Dialight</b>	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com
	SHEET 1 OF 1	FAMILY TABLE: