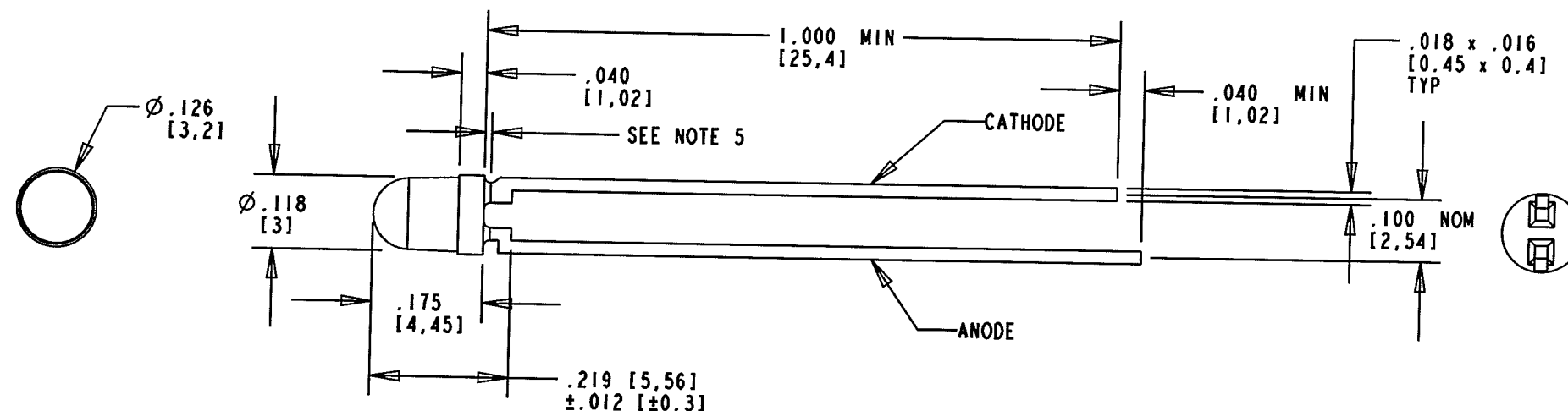


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	SM	KL	MB	9-16-08



ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT		
	RED	UNITS
POWER DISSIPATION	120	mW
DERATE LINEARLY FROM 70°C	0.6	mA/°C
CONTINUOUS FORWARD CURRENT	50	mA
REVERSE VOLTAGE	5	V
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	160	mA
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	260	°C
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C



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

#### NOTES:

- LED FINISH TIN - NICKEL ON COPPER
- LENS COLOR: ALINGAP RED (TRANSPARENT)
- SOLDER ADHERANCE: BOTH LEADS PER MIL STD. 202E, METHODE 208C
- PARTS ARE TO BE PACKAGED IN BAG WITH LABEL IDENTIFYING THE FOLLOWING:  
[ BIN CODE, DATE CODE, QTY PER BAG AND DIALIGHT PART NUMBER ]
- PROTRUDED RESIN UNDER FLANGE IS .040 [1.0mm] MAX
- LEAD SPACING IS MEASURED WHERE THE LEADS EMERGE FROM THE PACKAGE
- DIALIGHT PART NUMBER: 521-9888F
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 521-9888F  
Part Numbers with the "F" suffix ending are RoHS Compliant.  
Packaging is marked with "RoHS Compliant" label or equivalent markings.  
Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	100	300		mcd	I <sub>r</sub> = 20 mA
FORWARD VOLTAGE		2.0	2.4	V	I <sub>r</sub> = 20 mA
REVERSE CURRENT			100	µA	V <sub>r</sub> = 5 V
PEAK WAVELENGTH		632		nm	
DOMINANT WAVELENGTH		624		nm	
VIEWING ANGLE		45		Degree	
CAPACITANCE		40		pf	V <sub>r</sub> = 0, f = 1 MHz

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17659	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3mm LED RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight ○○○○○○●●●●●●	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1 FAMILY TABLE:		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

521-9888F