RoHS COMPLIANT 521-9249F

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
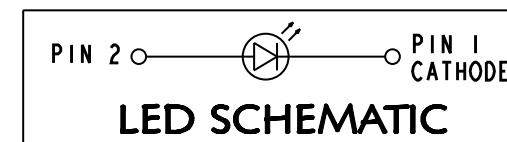260°C temp. for 5 sec.

.340 [8,64]

1.000 [25,4] MIN.

.040 [1,02] MIN.

.040 [1,02] MAX EPOXY MENISCUS

CATHODE

⌀ .197 [5]

1

2

.100 [2,54] NOM.

.040 [1,02]

.020 SQ. [0,51] TYP.

FLAT DENOTES CATHODE

⌀ .220 [5,59]
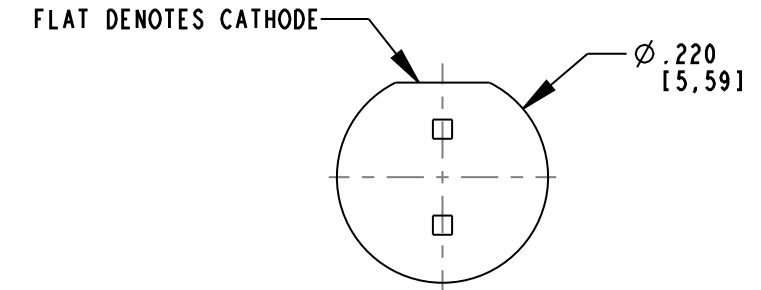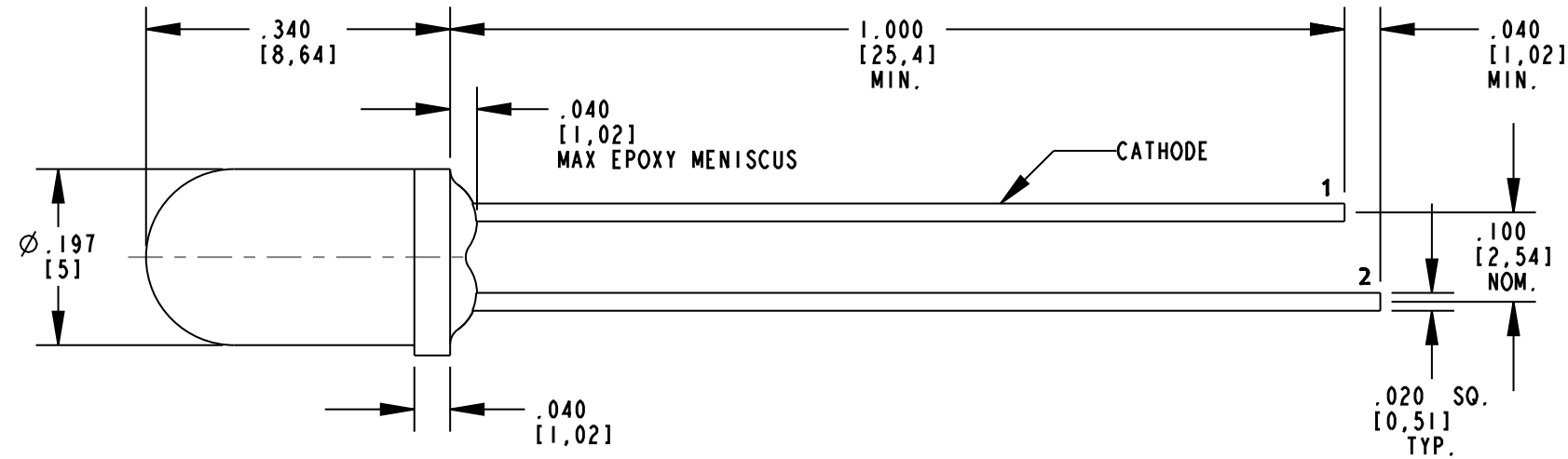
OPERATING CHARACTERISTICS AT 25°C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	29	90	—	mcd	I_F = 10 mA
PEAK WAVELENGTH	—	585	—	nm	
DOMINANT WAVELENGTH	—	588	—	nm	
FORWARD VOLTAGE	—	2.1	2.6	V	I_F = 20 mA
REVERSE CURRENT	—	—	100	μA	V_R = 5 V
VIEWING ANGLE	—	16	—	DEGREE	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

	VALUE	UNITS
POWER DISSIPATION	60	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	80	mA
CONTINUOUS FORWARD CURRENT	20	mA
LINEAR DERATING FROM 50°C	0.25	mA/°C
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE (.063" [1.6mm] FROM BODY) FOR 5 SEC.	260	°C
OPERATING TEMPERATURE	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C

NOTES:

1. DIALIGHT PART NUMBER: 521-9249F.

2. LED COLOR: AllnGaP/GaP/GaAsP YELLOW.

3. EPOXY COLOR: TRANSPARENT YELLOW.

4. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.

5. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION
NON-EXISTENT ON PART.

PIN 2 ○———▷|———○ PIN 1 CATHODE

LED SCHEMATIC

SCALE: 5.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17901	A

TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.02
DECIMALS (.XXX): ±.010
ANGLES: ±1°
FINISH:

TITLE: ⌀5mm, YELLOW NON-DIFFUSED LED

MATERIAL

Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727

FSCM 83330

SHEET 1 OF 1 | FAMILY TABLE:

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