

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)
[5219947F](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

OPERATING CHARACTERISTICS AT 25°C AMBIENT

LED CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITION
LUMINOUS INTENSITY	2500	4200	7200	mc d	$I_f = 20 \text{ mA}$
PEAK WAVELENGTH		518		nm	
DOMINANT WAVELENGTH	520	527	535	nm	
VIEWING ANGLE (2 $\theta_{1/2}$)		30		DEG	
FORWARD VOLTAGE		3.8	4.3	V	$I_f = 20 \text{ mA}$

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TC	N.O.	MES	10-5-06
B		UPDATED LED SPECS. REMOVED NOTES 2 & 4.	KLJ	JLC	N.O.	4-15-09

ABSOLUTE MAXIMUM RATINGS 25°C AMBIENT

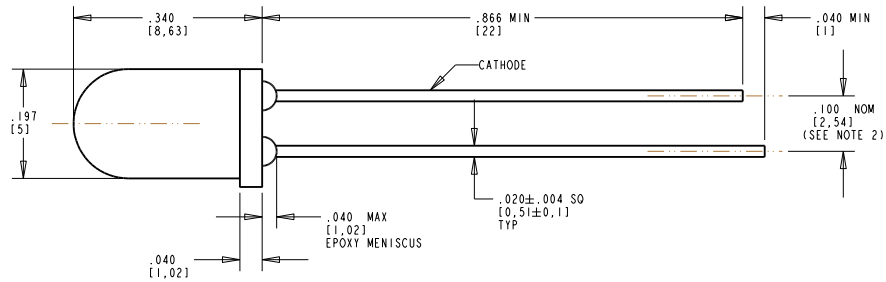
PARAMETER	VALUE	UNITS
DC FORWARD CURRENT	30	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	100	mA
POWER DISSIPATION	135	mW
DERATING LINEARLY FROM 30°C	0.5	mA/°C
REVERSE VOLTAGE ($I_R = 100\mu\text{A}$)	5	V
OPERATING TEMPERATURE RANGE	-40 to +85	°C
STORAGE TEMPERATURE RANGE	-40 to +100	°C
DIP-DRAW SOLDER TEMPERATURE (FOR 5 SEC.)	260	°C

NOTES:

- LENS COLOR: WATER CLEAR
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- 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: 521-9947F
- PART NUMBER WITH "F" SUFFIX ENDING IS ROHS COMPLIANT. THE BAG PACKAGING IS MARKED WITH "ROHS COMPLIANT" LABEL OR EQUIVALENT MARKINGS. PART CAN BE WAVE SOLDERED, DIP SOLDERED, OR HAND SOLDERED USING TYPICAL LEAD-FREE SOLDERING PROCESS WITH MAX. 260°C TEMPERATURE FOR 5 SEC.

FLAT DENOTES CATHODE

$\phi .228$
[5.8]



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SCALE: 8:1000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17433	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE $\phi 5.0\text{mm GREEN LED}$	
FRACTIONS: $\pm 1/64$	MATERIAL	
DECIMALS (.XX): $\pm .02$	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
DECIMALS (.XXX): $\pm .010$	FSCM 83330	
ANGLES: $\pm 1^\circ$	SHEET 1 OF 1 FAMILY TABLE:	
FINISH:		



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES