

Excellent Integrated System Limited

Stocking Distributor

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

[Dialight](#)
[5219948F](#)

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



Distributor of Dialight: Excellent Integrated System Limited
 Datasheet of 5219948F - LED WHITE CLEAR 5MM ROUND T/H

OPERATING CHARACTERISTICS AT $T_a = 25^\circ\text{C}$

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	880		2500	mc d	$I_f = 20\text{ mA}$
VIEWING ANGLE (2 θ 1/2)		30		deg.	
FORWARD VOLTAGE		3.2	3.7	V	$I_f = 20\text{ mA}$
REVERSE CURRENT	10			μA	$V_r = 5\text{ V}$

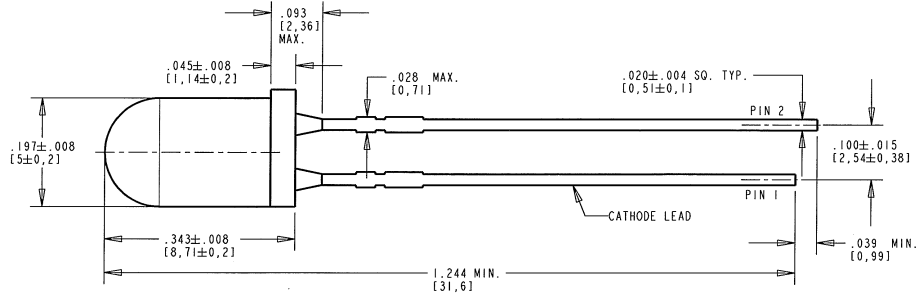
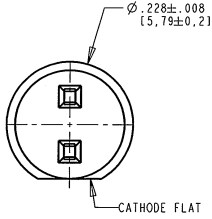
ABSOLUTE MAXIMUM RATINGS AT $T_a = 25^\circ\text{C}$

PARAMETER	VALUE	UNITS
DC FOWARD CURRENT	30	mA
PEAK FORWARD CURRENT	100	mA
POWER DISSIPATION	111	mW
REVERSE VOLTAGE ($I_r = 10\mu\text{A}$)	5	V
OPERATING TEMPERATURE RANGE	-40 to +80	$^\circ\text{C}$
STORAGE TEMPERATURE RANGE	-40 to +100	$^\circ\text{C}$
DIP-DRAG SOLDER TEMPERATURE	260 FOR 5 SECS.	$^\circ\text{C}$

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	KLJ	MB		3-20-08

NOTES:

1. LENS COLOR: WATER CLEAR.
2. DIE: InGaN BLUE COATED WITH A PHOSPHOR TO PRODUCE WHITE.
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. PIN NUMBERS FOR REFERENCE ONLY; DESIGNATION NON-EXISTENT ON PART.
5. DIALIGHT P/N: 521-9948F
6. BULK PACKAGING
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
8. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.



RoHS COMPLIANT 521-9948F
 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.



ATTENTION:
 OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

BIN	LIMITS (CHROMATICITY COORDINATES)				
1	X	0.330	0.330	0.356	0.361
	Y	0.360	0.318	0.351	0.385
2	X	0.287	0.296	0.330	0.330
	Y	0.295	0.276	0.318	0.339
3	X	0.264	0.280	0.296	0.283
	Y	0.267	0.248	0.276	0.305
4	X	0.283	0.287	0.330	0.330
	Y	0.305	0.295	0.339	0.360

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SCALE: 6:000
 ALL DIM'S IN INCHES (MM)
 TOLERANCES: UNLESS OTHERWISE SPECIFIED
 FRACTIONS: ±1/64
 DECIMALS (.XXX): ±.01
 DECIMALS (.XXXX): ±.0005
 ANGLES: ±1'

FINISH: _____

FSCN 83330

DRAWING NUMBER	REV
C-17600	A
TITLE: 5.0mm WHITE LED	
RoHS COMPLIANT	
MATERIAL	
Dialight	
1501 ROUTE 34 SOUTH	
FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:	