

Excellent Integrated System Limited

Stocking Distributor

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

[Dialight](#)
[5520201F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Distributor of Dialight: Excellent Integrated System Limited

Datasheet of 5520201F - LED CBI 5MM BI-LVL BLANK/RD DIFF

DIALIGHT PART NO.	POS. 1	POS. 2
552-0201F	**BLANK**	RED DIFFUSED
552-0202F	**BLANK**	GREEN DIFFUSED
552-0203F	**BLANK**	YELLOW DIFFUSED
552-0210F	RED DIFFUSED	**BLANK**
552-0211F	RED DIFFUSED	RED DIFFUSED
552-0212F	RED DIFFUSED	GREEN DIFFUSED
552-0213F	RED DIFFUSED	YELLOW DIFFUSED
552-0220F	GREEN DIFFUSED	**BLANK**
552-0221F	GREEN DIFFUSED	RED DIFFUSED
552-0222F	GREEN DIFFUSED	GREEN DIFFUSED
552-0223F	GREEN DIFFUSED	YELLOW DIFFUSED
552-0227F	GREEN DIFFUSED	ORANGE DIFFUSED
552-0230F	YELLOW DIFFUSED	**BLANK**
552-0231F	YELLOW DIFFUSED	RED DIFFUSED
552-0232F	YELLOW DIFFUSED	GREEN DIFFUSED
552-0233F	YELLOW DIFFUSED	YELLOW DIFFUSED
552-0277F	ORANGE DIFFUSED	ORANGE DIFFUSED

RoHS Compliant 552-02XXF Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 552-0210F
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.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	SM	N.O.	MES	10-5-06
6		ADDED P/N'S 552-0202F, -0203F, -0211F, -0212F, -0213F, -0220F, -0221F, -0222F, -0223F, -0227F, -0230F, -0231F, -0232F, -0233F, -0277F; REMOVED PIN OUTS COLUMN; ADDED METRIC DIMS; ADDED GREEN AND YELLOW LED SPECS; UPDATED LED SCHEMATIC; ".180±.020" WAS ".173"; REMOVED "RED DIFFUSED" FROM TITLE BLOCK; CHANGED NOTE 3; ADDED NOTE 5.	KLJ			7-15-08

LENS COLOR	PEAK EMISSION WAVELENGTH (nm)	VIEW ANGLE (°) 2θ 1/2	LUMINOUS INTENSITY (mcd) If: 10 mA 25°		FORWARD VOLTAGE (V) If: 10 mA 25° C		REVERSE CURRENT (μA) 25° C	
			MIN	TYP	TYP	MAX	MAX	MAX
RED DIFFUSED	650	50	2.2	6.3	2.2	2.55	10	θ Vr = 3V
GREEN DIFFUSED	563	60	3.6	10.0	2.1	3.0	10	θ Vr = 3V
YELLOW DIFFUSED	583	60	5.7	8.0	2.0	2.4	100	θ Vr = 5V
ORANGE DIFFUSED	600	60	4.0	7.0	1.9	2.4	100	θ Vr = 5V

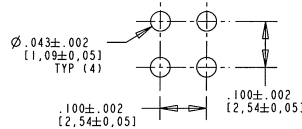
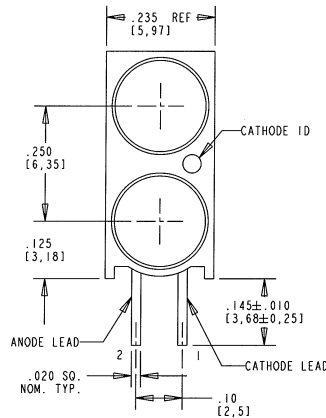
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR				UNITS
	RED	GREEN	YELLOW	ORANGE	
POWER DISSIPATION	60	75	85	135	mW
CONTINUOUS FORWARD CURRENT	20	25	20	30	mA
PEAK FORWARD CURRENT (1/5 DUTY PULSE, 1ms WIDTH FOR RED & GRN) (10μs PULSE WIDTH FOR YEL & ORG)	60	80	500	500	mA
REVERSE VOLTAGE	3		5		V
SOLDERING TEMPERATURE (.063 IN FROM BODY FOR 5 SEC)	260				°C
OPERATING TEMPERATURE	-25 TO +85	-55 TO +100			°C
STORAGE TEMPERATURE	-30 TO +100	-55 TO +100			°C

NOTES:

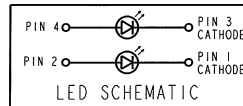
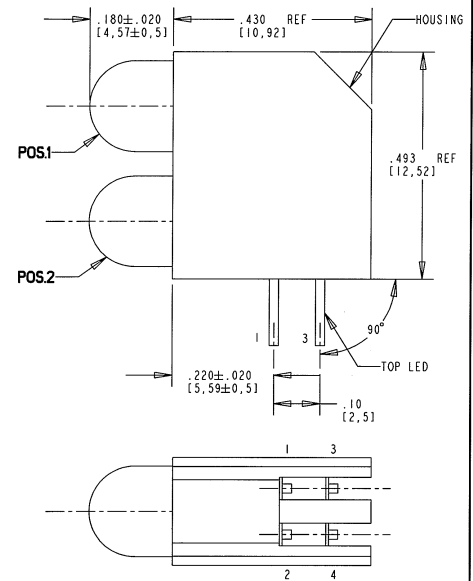
- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
- LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- DIALIGHT PART NUMBERS: 552-02XXF.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



RECOMMENDED HOLE PATTERN



LED SCHEMATIC

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM) TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XXX): ±.01 DECIMALS (.XXXX): ±.0005 ANGLES: ±1° FINISH: FSCM 83330	DRAWING NUMBER C-17423 REV B TITLE 5mm CBI BI-LEVEL RoHS COMPLIANT MATERIAL Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 SHEET 1 OF 1 FAMILY TABLE: