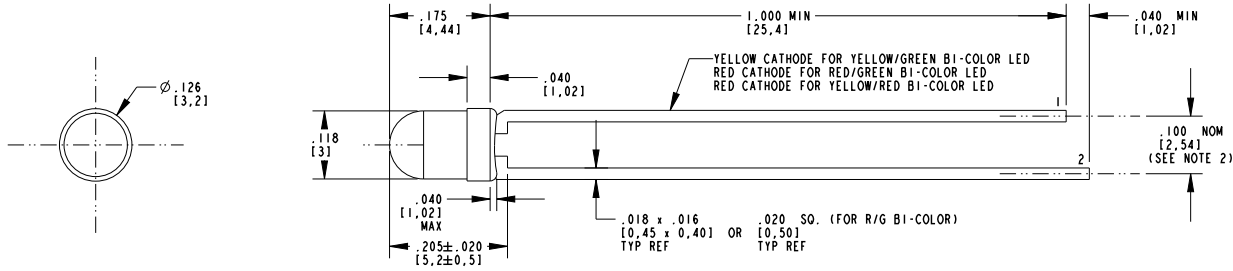


DIALIGHT PART NUMBER	LED COLOR	LED DIE	LENS COLOR
521-9478F	YELLOW/GREEN BI-COLOR	GaAsP/GaP YELLOW / GaP GREEN	WHITE DIFF.
521-9459F	RED/GREEN BI-COLOR	GaAsP/GaP RED / GaP GREEN	WHITE DIFF.
521-9768F	RED/YELLOW BI-COLOR	GaAsP/GaP RED / GaAsP/GaP YELLOW	WHITE DIFF.

### RoHS COMPLIANT 521-9XXXF

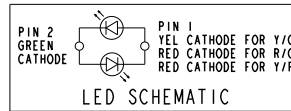
Part Numbers with the "F" suffix ending are RoHS Compliant.  
 For Example: 521-9768F  
 Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	KLJ	NO	MES	11-4-08
B		ADDED LED DIE INFO. TO TABLE	AJF	KLJ	NO	6-16-10



#### NOTES:

- LENS COLOR: WHITE DIFFUSED
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN
- LEADS: SILVER (Ag) OVER COPPER (Cu) OVER NICKEL (Ni) ON COPPER (Cu).
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBERS: 521-9478F, 521-9459F, 521-9768F
- PACKAGING: BULK
- LABELING: BAGS TO BE IDENTIFIED WITH DIALIGHT P/N, QTY, DATE CODE, AND INTENSITY AND COLOR BIN CATEGORIES.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



OPERATING CHARACTERISTICS AT 25°C AMBIENT								
LED	COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)	VIEWING ANGLE (°)	LUMINOUS INTENSITY (mcd) @ If=10 mA		FORWARD VOLTAGE (V) @ If=20 mA	
		TYP	TYP		MIN	TYP	TYP	MAX
RED/GREEN BI-COLOR	RED	635	—	60	2.5	4.7	2.0	2.8
	GREEN	565	—		3.7	10	2.1	2.8
YELLOW/GREEN BI-COLOR	YELLOW	585	586	80	* 2.5	* 4.3	2.1	2.8
	GREEN	565	569		* 2.5	* 6.3	2.1	2.8
RED/YELLOW BI-COLOR	RED	630	—	80	* 1.7	* 5.6	2.0	2.8
	YELLOW	585	—		* 1.7	* 5.6	2.1	2.8

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	R/G BI-COLOR		Y/G BI-COLOR		R/Y BI-COLOR		UNITS
	RED	GREEN	YELLOW	GREEN	RED	YELLOW	
POWER DISSIPATION	100	100	60	100	100	60	mW
CONTINUOUS FORWARD CURRENT	30	30	20	30	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10 ms PULSE WIDTH)	120	120	80	120	120	80	mA
DERATING LINEAR FROM 50°C	0.4	0.4	0.25	0.4	0.4	0.25	mA/°C
REVERSE VOLTAGE	5						V
SOLDERING TEMPERATURE (.063" FROM BODY FOR 5 SECONDS)	260						°C
OPERATING TEMPERATURE	-55 TO +100						°C
STORAGE TEMPERATURE	-55 TO +100						°C



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

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: 6:000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17675	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE: 3mm BI-COLOR LED	
FRACTIONS: ±1/64	RoHS COMPLIANT	
DECIMALS (1, XX): ±.02	MATERIAL	
DECIMALS (1, XXX): ±.010	FSC: 83330	
ANGLES: ±3°	SHEET 1 OF 1 FAMILY TABLE:	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	