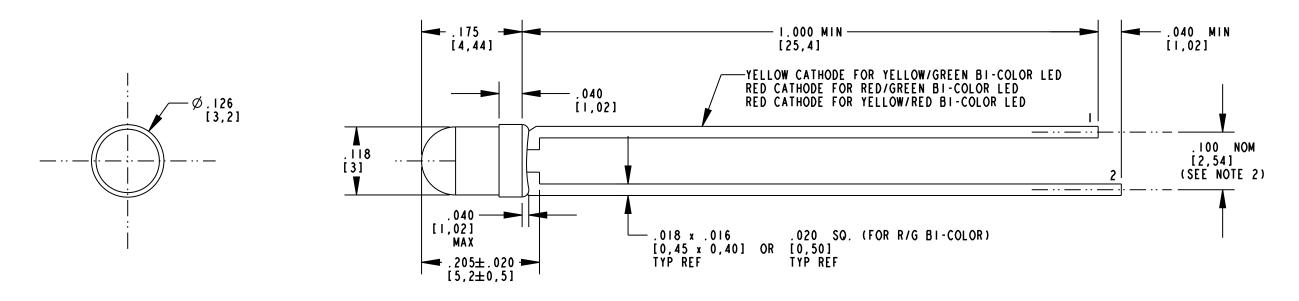
DIALIGHT PART NUMBER	LED COLOR	LED DIE	LENS COLOR
521-9478F	YELLOW/GREEN BI-COLOR	GaAsP/GaP YELLOW / GaP GREEN	WHITE DIFF.
521-9459F	RED/GREEN BI-COLOR	GaAsP/GaP RED / GaP GREEN	WHITE DIFF.
521-9768F	RED/YELLOW BI-COLOR	GaAsP/GaP RED / GaAsP/GaP YELLOW	WHITE DIFF.

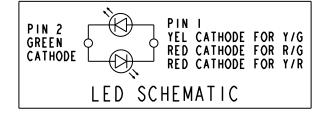
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	KLJ	NO	MES	11-4-08
В		ADDED LED DIE INFO. TO TABLE	AJF	KLJ	NO	6-16-10

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.



OPERATING CHARACTERISTICS AT 25°C AMBIENT									
LED	COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)		LUMINOUS (mcd) @ [*IF=2	INTENSITY F = O mA 20 mA]	FORWARD VOLTAGE (V) @ IF=20 mA		
		TYP	TYP	TYP	MIN	TYP	TYP	MAX	
RED/GREEN BI-COLOR	RED	635		60	2.5	4.7	2.0	2.8	
	GREEN	565		00	3.7	10	2.1	2.8	
YELLOW/GREEN BI-COLOR	YELLOW	585	586	9.0	* 2.5	* 4.3	2.1	2.8	
	GREEN	565	569	80	* 2.5	* 6.3	2.1	2.8	
RED/YELLOW BI-COLOR	RED	630		٥٨	* 1.7	* 5.6	2.0	2.8	
	YELLOW	585		80	* 1,7	* 5.6	2.1	2.8	



NOTES:

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

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		R/G BI-COLOR		Y/G BI-COLOR		R/Y BI-COLOR	
		GREEN	YELLOW	GREEN	RED	YELLOW	UNITS
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	0.25	0.4	0.4	0.25	mA/°C
REVERSE VOLTAGE	5						٧
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

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 В TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 TITLE Ø 3mm BI-COLOR LED DECIMALS (.XX): ±.02 ROHS COMPLIANT DECIMALS (,XXX): ±.010 MATERIAL ANGLES: ±3° FINISH: 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 83330 FSCM SHEET I OF I FAMILY TABLE:

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND