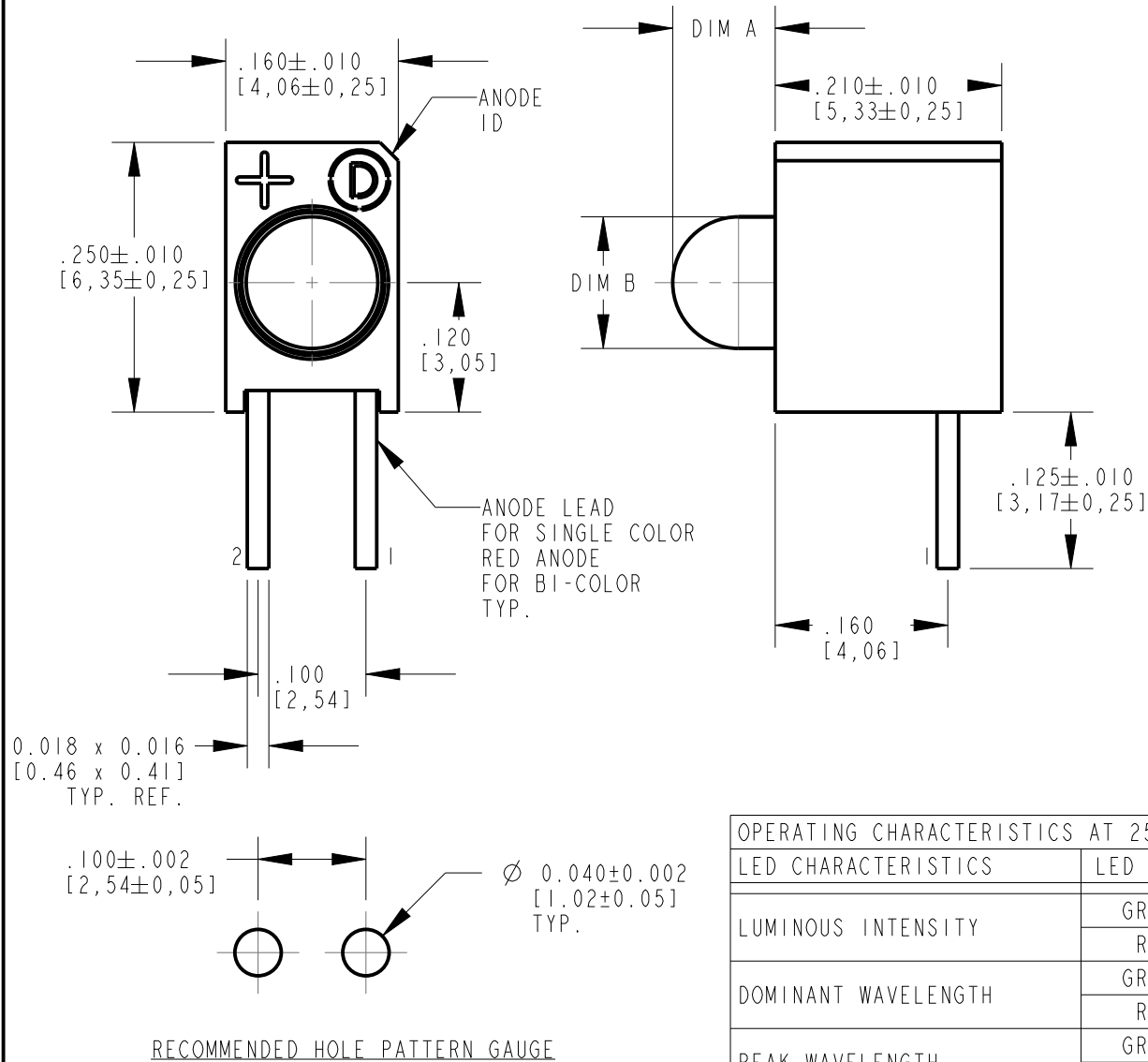


DIALIGHT PART NUMBER	LED COLOR	DIM A	DIM B
551-0209-806F	GREEN, TINTED DIFFUSED	.085[2.16]	.118[3]
551-0309-807F	YELLOW, TINTED DIFFUSED	.085[2.16]	.118[3]
551-0409-808F	RED, TINTED DIFFUSED	.085[2.16]	.118[3]
551-3009-803F	RED / GREEN WHITE DIFFUSED	.095[2.41]	.122[3.1]



RoHS COMPLIANT 551-XX09-80XF  
Part Numbers with the "F" suffix ending are RoHS Compliant.  
For example: 551-0209-803F  
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.

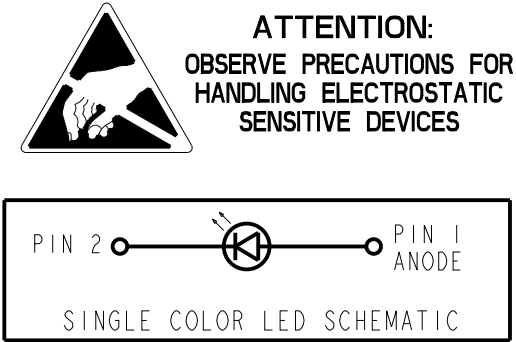
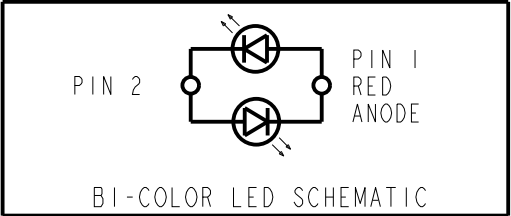
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	GREEN	YELLOW	RED	BI-COLOR RED/GREEN	UNITS
POWER DISSIPATION	120	60	100	100	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH, 10ms FOR BI-COLOR)	90	60	90	120	mA
CONTINUOUS FORWARD CURRENT	30	20	30	30	mA
LINEAR DERATING FROM 50°C	0.4	0.25	0.4	0.4	mA/°C
REVERSE VOLTAGE	5	5	5	N/A	V
LEAD SOLDERING TEMPERATURE (.063" [1.6mm] FROM BODY) FOR 5 SEC.	260				°C
OPERATING TEMPERATURE	-55 TO +100			-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100			-55 TO +100	°C

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
LED CHARACTERISTICS	LED COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	5.6	12.6	29	mcd	I <sub>F</sub> = 10 mA
	YELLOW	3.7	8.7	30		
	RED	2.5	8.7	18		
DOMINANT WAVELENGTH	GREEN	564	568	573	nm	
	YELLOW	584	590	595		
	RED	615	625	632		
PEAK WAVELENGTH	GREEN		565		nm	
	YELLOW		585			
	RED		635			
FORWARD VOLTAGE	GREEN	1.5	2.1	2.6	V	I <sub>F</sub> = 10 mA
	YELLOW		2.1	2.6		
	RED		2.0	2.6		
REVERSE CURRENT	GREEN			100	μA	V <sub>R</sub> = 5 V
	YELLOW			100		
	RED			100		
VIEWING ANGLE	ALL		60		DEGREE	

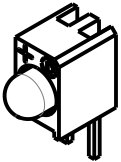
OPERATING CHARACTERISTICS AT 25°C AMBIENT: BI-COLOR LED						
LED CHARACTERISTICS	LED COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	3.7	8.7		mcd	I <sub>F</sub> = 20 mA
	RED	3.0	5.6			
DOMINANT WAVELENGTH	GREEN	564	569	573	nm	
	RED	617	621	633		
PEAK WAVELENGTH	GREEN		565		nm	
	RED		630			
FORWARD VOLTAGE	GREEN	1.5	2.1	2.6	V	I <sub>F</sub> = 20 mA
	RED	1.5	2.0	2.6		
VIEWING ANGLE	ALL		200		DEGREE	

NOTES:

- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBERS: 551-XX09-80XF.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



ATTENTION:  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES



SCALE 2.000

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 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17878	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	TITLE Ø3mm RT. ANGLE CBI REVERSE POLARITY W/ .125" LEAD TRIM MATERIAL	
ANGLES: ±1° FINISH:	-	
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1 FAMILY TABLE:		

# Mouser Electronics

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