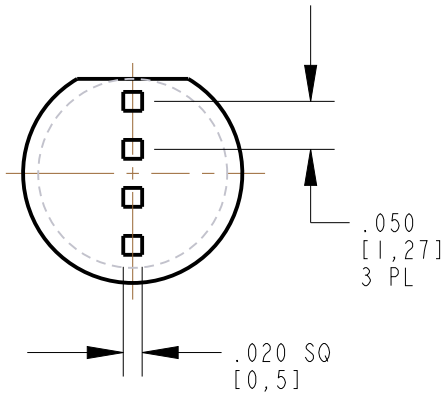
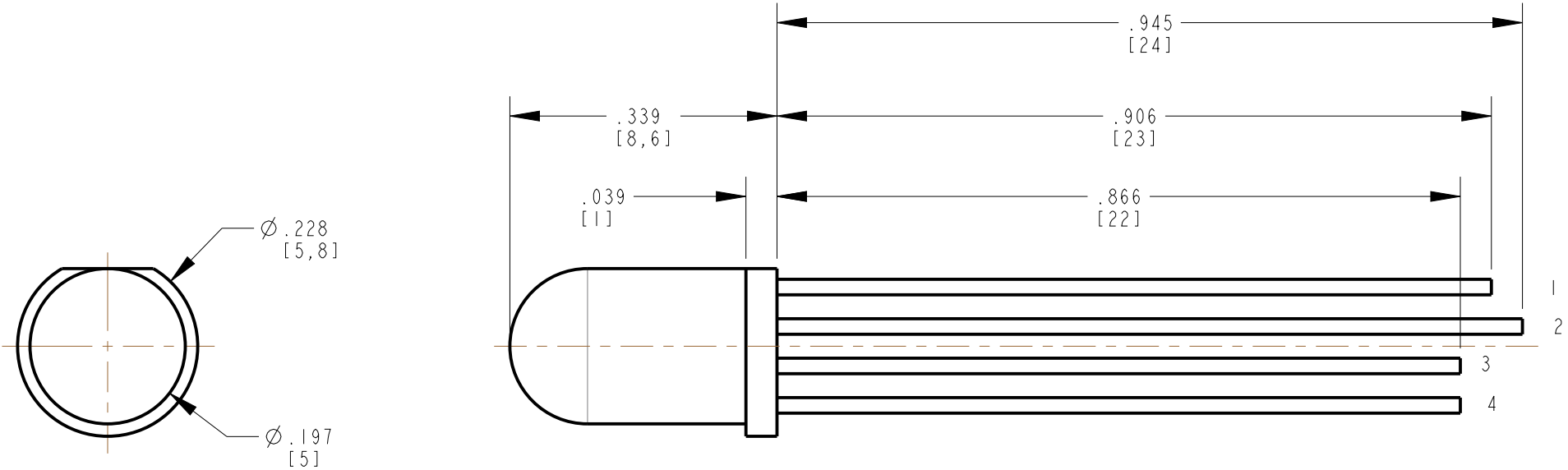


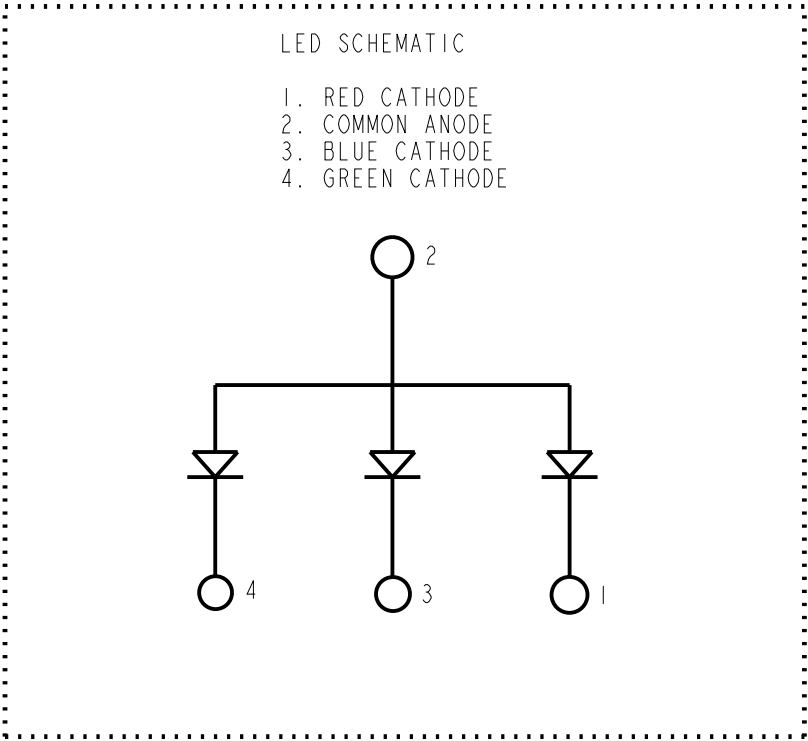
DIALIGHT PART NUMBER	COLOR
521-8559F	RED
	GREEN
	BLUE

REV	REVISIONS	DRN	APP	DATE
A	NEW RELEASE	LD	NO	12-26-19
B	ADDED ESDS VALUE & PACKAGING BAG INFO	LD	NO	4-10-20




OPERATING CHARACTERISTICS AT 25°C AMBIENT							
PARAMETER	SYMBOL	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	IV	RED	1900	2500	3200	mcd	I _F = 20mA
		BLUE	1000	1450	1900		
		GREEN	1500	1900	2500		
VIEWING ANGLE	2 1/2	RED		50		deg	
		BLUE					
		GREEN					
PEAK EMISSION WAVELENGTH		RED		634		nm	V _R = 5V
		BLUE		470			
		GREEN		525			
DOMINANT WAVELENGTH		RED	618	625	630	nm	
		BLUE	465	470	475		
		GREEN	520	525	530		
FORWARD VOLTAGE	V _F	RED	1.7	2.2	2.7	V	I _F = 20mA
		BLUE	2.5	3.2	3.7		
		GREEN	2.5	3.2	3.7		
REVERSE CURRENT	I _R	RED			10	uA	V _R = 5V
		BLUE			10		
		GREEN			10		
ELECTROSTATIC DISCHARGE(HBM)		RED		2000		V	C=100pF R=1500 ohm
		GREEN		1000			
		BLUE		1000			

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT				
PARAMETERS	RED	BLUE	GREEN	UNITS
POWER DISSIPATION	80	108	108	mW
LINEAR DERATION FROM 50°C	0.57	0.57	0.57	mA/°C
FORWARD DC CURRENT	30	30	30	mA
PEAK FORWARD CURRENT (1/10 Duty Cycle, 0.1ms Pulse Width)	90	100	100	mA
OPERATING TEMPERATURE	-30 to +85			°C
STORAGE TEMPERATURE	-40 TO +100			°C
LEAD SOLDERING TEMPERATURE [2.0mm (.787") FROM BODY]	260 FOR 5 SECONDS MAX.			°C



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521855916-A.5		
SCALE: 5.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	C-18455	B
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.010 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°		
FINISH		
FSCM 83330	TITLE 5mm RGB WC WITH 4L COMMON ANODE	
	MATERIAL	
	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
	SHEET 1 OF 1	FAMILY TABLE:

NOTES:

- QUANTITY IS 100 PCS PER BAG.
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- THIS PRODUCT IS RoHS COMPLIANT. EACH BAG(9100121071499) IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.