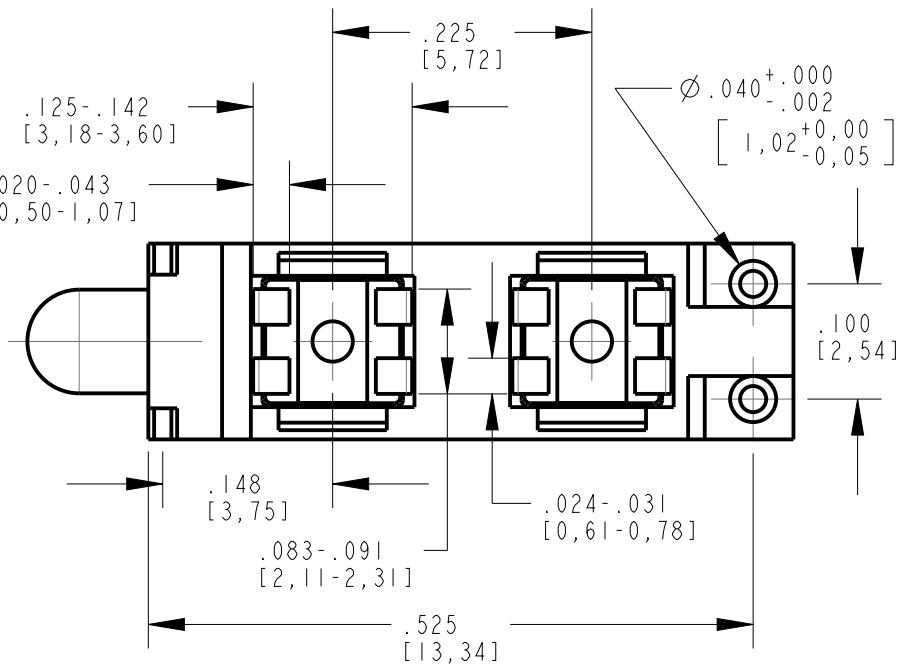
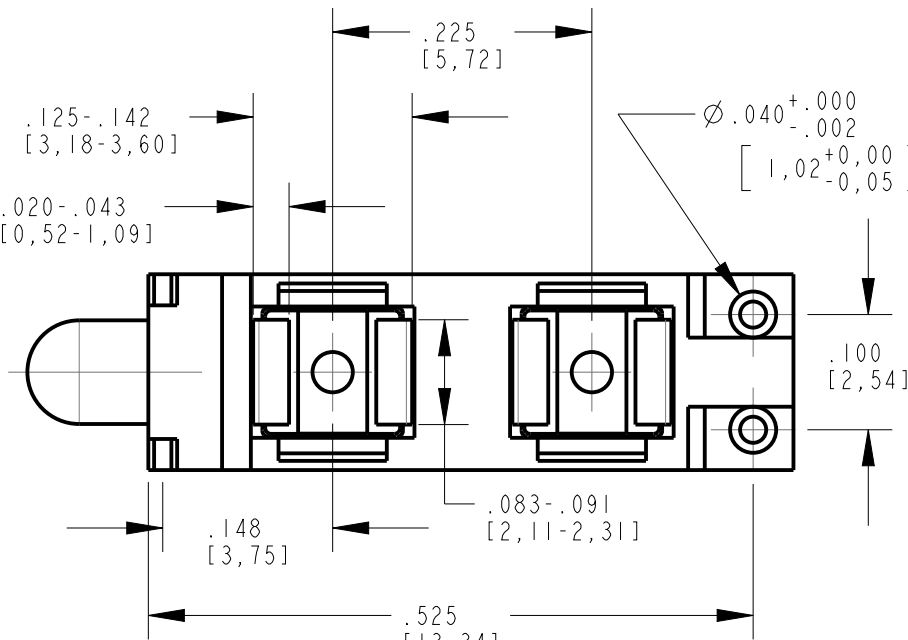
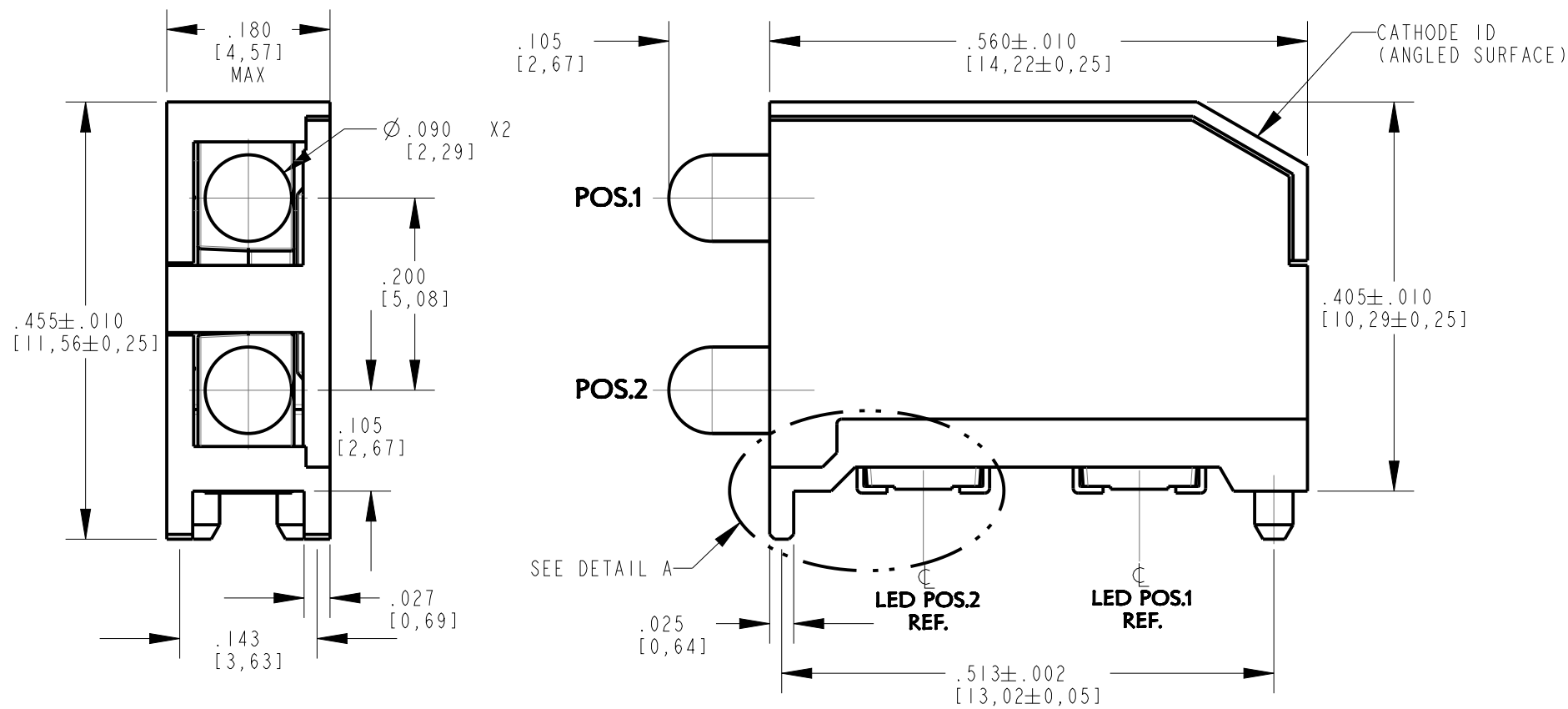
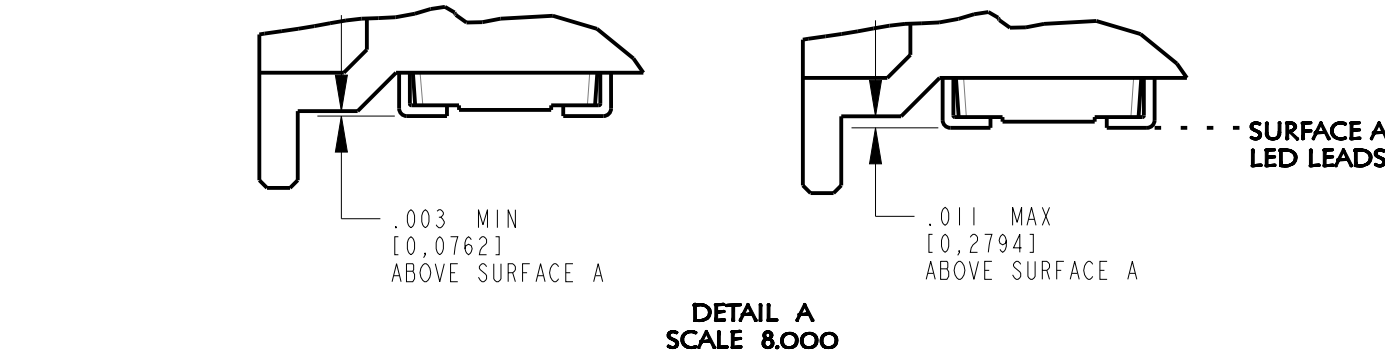
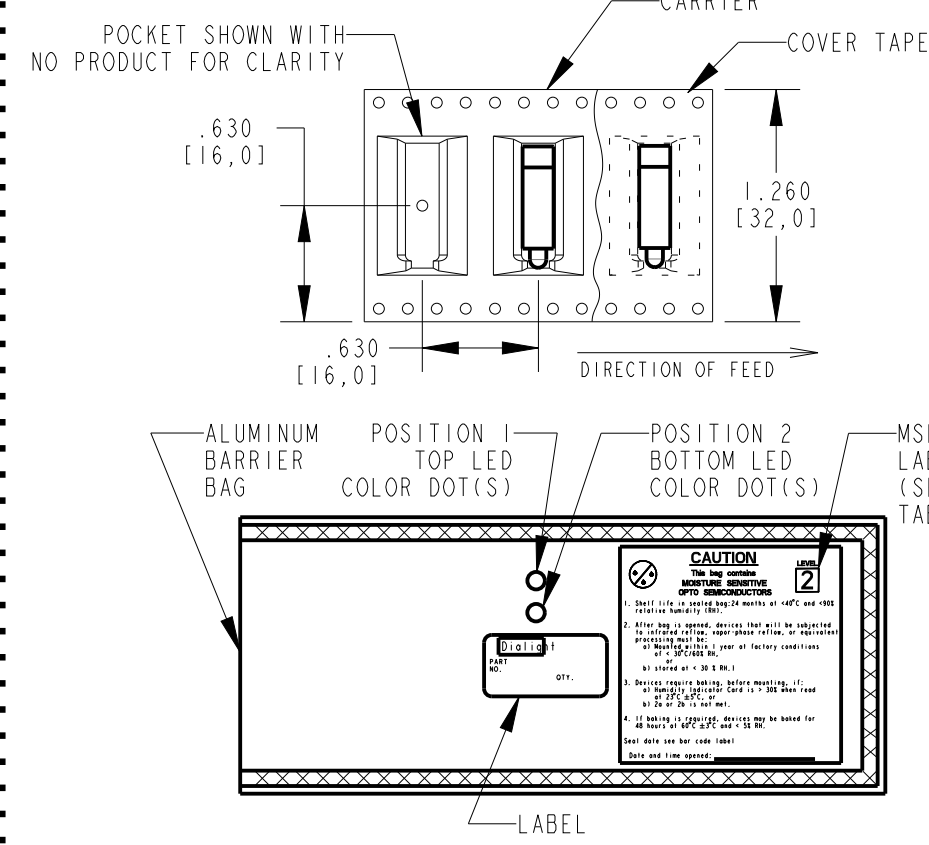


DIALIGHT PART NUMBER	PACKAGING	POSITION 1	POSITION 2	MSL
592-2020-302F	SAMPLE STRIP 13" REEL	RED [HI, EFF]	RED [HI, EFF]	2
592-2020-313F				
592-2023-302F	SAMPLE STRIP 13" REEL	RED [HI, EFF]	GREEN	2
592-2023-313F				
592-2121-302F	SAMPLE STRIP 13" REEL	RED [AlGaAs]	RED [AlGaAs]	2
592-2121-313F				
592-2124-302F	SAMPLE STRIP 13" REEL	RED [AlGaAs]	YELLOW	2
592-2124-313F				
592-2126-302F	SAMPLE STRIP 13" REEL	RED [InGaN]	BLUE [InGaN]	2
592-2126-313F				
592-2222-302F	SAMPLE STRIP 13" REEL	GREEN [HI, INT]	GREEN [HI, INT]	2
592-2222-313F				
592-2320-302F	SAMPLE STRIP 13" REEL	GREEN	RED [HI, EFF]	2
592-2320-313F				
592-2323-302F	SAMPLE STRIP 13" REEL	GREEN	GREEN	2
592-2323-313F				
592-2324-313F	SAMPLE STRIP 13" REEL	GREEN	YELLOW	2
592-2326-302F		GREEN	YELLOW	2
592-2326-313F	SAMPLE STRIP 13" REEL	GREEN	RED [InGaN]	2
592-2420-302F		YELLOW	RED [HI, EFF]	2
592-2420-313F	SAMPLE STRIP 13" REEL	YELLOW	GREEN [HI, INT]	2
592-2422-302F		YELLOW	YELLOW	2
592-2422-313F	SAMPLE STRIP 13" REEL	YELLOW	GREEN	2
592-2423-302F		YELLOW	GREEN	2
592-2423-313F	SAMPLE STRIP 13" REEL	YELLOW	YELLOW	2
592-2424-302F		YELLOW	ORANGE/GREEN	2
592-2424-313F	SAMPLE STRIP 13" REEL			
592-2436-302F				
592-2436-313F	SAMPLE STRIP 13" REEL	ORANGE	ORANGE	2
592-2525-302F				
592-2525-313F	SAMPLE STRIP 13" REEL	BLUE [InGaN]	BLUE [InGaN]	2
592-2626-302F		BLUE [InGaN]	YELLOW	2
592-2627-313F	SAMPLE STRIP 13" REEL	BLUE [InGaN]	WHITE	2
592-2628-302F		BLUE [InGaN]	YELLOW/GREEN	2
592-2631-302F	SAMPLE STRIP 13" REEL	YELLOW [AlInGaP]	YELLOW [AlInGaP]	2
592-2727-302F		YELLOW [AlInGaP]	GREEN [InGaN]	2a
592-2729-302F	SAMPLE STRIP 13" REEL	WHITE	BLUE [InGaN]	2
592-2826-302F		WHITE	WHITE	2
592-2828-302F	SAMPLE STRIP 13" REEL	TRUE GREEN [InGaN]	BLUE [InGaN]	2a
592-2926-302F		GREEN [InGaN]	YELLOW [AlInGaP]	2a
592-2927-302F	SAMPLE STRIP 13" REEL	RED/GREEN	YELLOW	2
592-3024-302F		RED/GREEN	RED/GREEN	2
592-3030-302F	SAMPLE STRIP 13" REEL	RED/GREEN	YELLOW/GREEN	2
592-3031-302F		RED/GREEN	RED/BLUE	2a
592-3034-302F	SAMPLE STRIP 13" REEL	YELLOW/GREEN	YELLOW/GREEN	2
592-3126-302F		RED/YELLOW	RED/YELLOW	2
592-3232-302F	SAMPLE STRIP 13" REEL	RED/YELLOW	ORANGE/GREEN	2
592-3236-302F		RED/GRN/BLUE	RED/GRN/BLUE	2a
592-3535-302F	SAMPLE STRIP 13" REEL			
592-3535-313F				

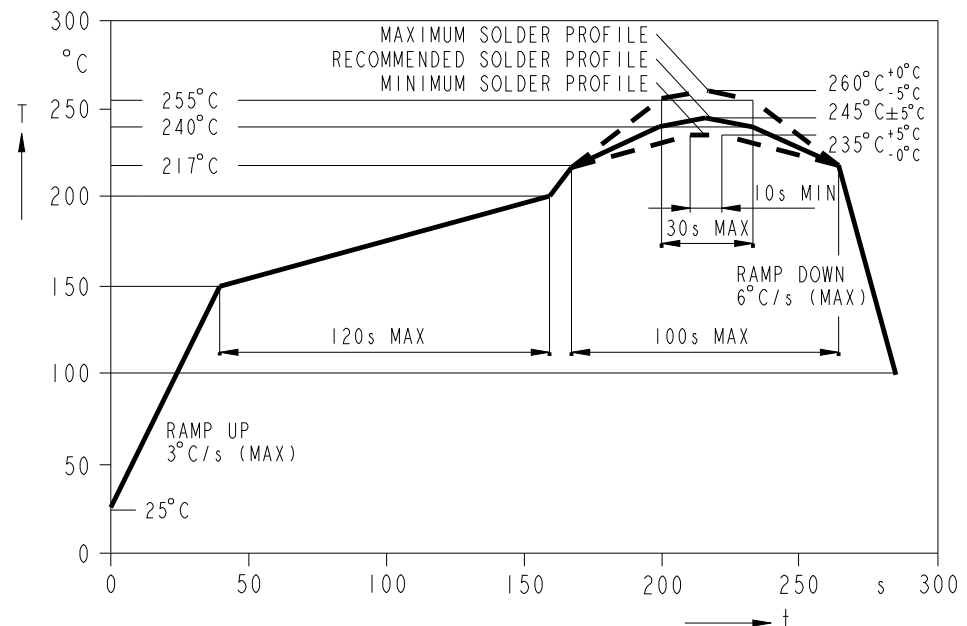
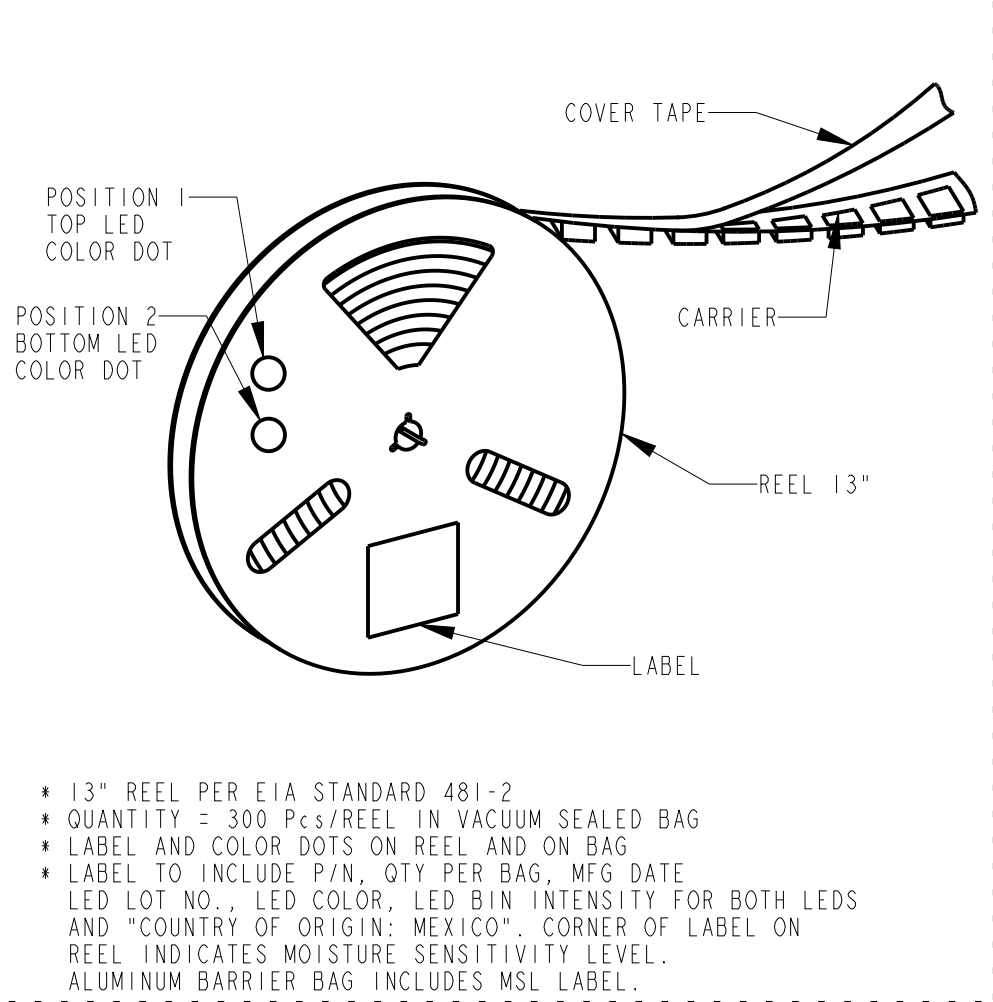


OPERATING CHARACTERISTICS AT 25°C AMBIENT - SINGLE COLOR LEDs						
#	COLOR	LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)		PEAK WAVELENGTH (nm)
				MIN	TYP	MAX
20	RED [HI, EFF]	3	10	622	628	634
21	RED [AlGaAs]	9	10	—	645	—
22	GREEN [HI, INT]	6	10	564	570	576
23	GREEN	4	10	564	570	576
24	YELLOW	2	10	580	587	595
25	ORANGE	2	10	600	606	609
26	BLUE [InGaN]	6	10	462	465	468
27	YELLOW [AlInGaP]	60	20	580	587	595
28	WHITE	34	10	X = .285; Y = .259; .33; .367; .33; .401	—	—
29	GREEN [InGaN]	56	20	—	525	—

SAMPLE STRIP PACKAGING SPECIFICATION



13" REEL PACKAGING SPECIFICATION



RECOMMENDED RoHS COMPLIANT REFLOW PROFILE

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT RED/GRN & YLW/GRN BI-COLOR LED		RED/GRN	YLW/GRN	UNITS
CONTINUOUS FORWARD CURRENT		15		mA
REVERSE VOLTAGE		12		V
SURGE CURRENT		100		mA
PEAK SOLDERING TEMPERATURE		245		°C
OPERATING TEMPERATURE		-40 TO +100		°C
STORAGE TEMPERATURE		-40 TO +100		°C

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - RED/YELLOW BI-COLOR LED	COLOR		UNITS
	RED	YELLOW	
POWER DISSIPATION	80	80	mW
PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10μs PULSE WIDTH)	1000	200	mA
CONTINUOUS FORWARD CURRENT	30	30	mA
LINEAR DERATING FROM 75°C	0.60	0.60	mA/°C
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)	260		
OPERATING TEMPERATURE	-40 TO +100		°C
STORAGE TEMPERATURE	-40 TO +100		°C

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - RED/BLUE BI-COLOR LED		COLOR		UNITS
		RED	BLUE	
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10ms PULSE WIDTH)		100		mA
CONTINUOUS FORWARD CURRENT		30		mA
LINEAR DERATING FROM 80°C		1.0		mA/°C
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)		260		°C
OPERATING TEMPERATURE		-40 TO +100		°C
STORAGE TEMPERATURE		-40 TO +100		°C

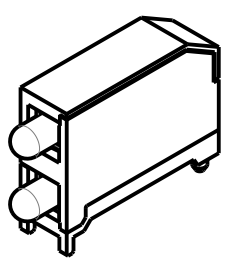
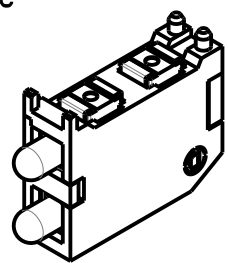
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - RED/GRN/BLUE TRI-COLOR LED	COLOR			UNITS
	RED	GREEN	BLUE	
POWER DISSIPATION	72	120	120	mW
CONTINUOUS FORWARD CURRENT	30	20	20	mA
LINEAR DERATING FROM 80°C (*BLUE & GREEN FROM 70°C) 1 CHIP ON	1.00	*0.50	*0.50	mA/°C
LINEAR DERATING FROM 65°C (*BLUE & GREEN FROM 50°C) 3 CHIPS ON	0.75	*0.30	*0.30	mA/°C
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)	260			°C
OPERATING TEMPERATURE	-55 TO +100			°C
STORAGE TEMPERATURE	-55 TO +100			°C

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - ORANGE/GREEN BI-COLOR LED		COLOR		UNITS
		ORANGE	GREEN	
POWER DISSIPATION		95	95	mW
PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10μs PULSE WIDTH)		500	500	mA
CONTINUOUS FORWARD CURRENT		30	30	mA
LINEAR DERATING FROM 55°C		0.66	0.66	mA/°C
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)		260		°C
OPERATING TEMPERATURE		-40 TO +100		°C
STORAGE TEMPERATURE		-40 TO +100		°C

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - SINGLE COLOR LEDs	COLOR										UNITS	
	RED [H _I , EFF]	RED [AlGaAs]	GREEN	GREEN [H _I , INT]	YELLOW	YELLOW [AlInGaP]	ORANGE	WHITE	BLUE [InGaN]	GREEN [InGaN]		
POWER DISSIPATION	95	90	95	95	95	80	95	80	100	114	mW	
PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10μs PULSE WIDTH)	500	500	500	500	500	200	500	200	200	200	mA	
CONTINUOUS FORWARD CURRENT	30	30	30	30	30	30	30	20	20	30	mA	
LINEAR DERATING FROM 60°C, UNLESS OTHERWISE NOTED	0.75	0.75	0.75	0.75	0.75	1.0 (FROM 85°C)	0.75	0.60 (FROM 75°C)	0.44 (FROM 55°C)	0.42 (FROM 40°C)	mA/°C	
REVERSE VOLTAGE	12	5	12	12	5	12	5	5	5	5	V	
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)	260										°C	
OPERATING TEMPERATURE	-40 TO +100										-55 TO +100	°C
STORAGE TEMPERATURE	-40 TO +100										-55 TO +100	°C



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



SCALE 2.000

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TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (X.XX): ±.02 DECIMALS (X.XXX): ±.015	TITLE	BI-LEVEL PRISM RoHS COMPLIANT
ANGLES: ±1°	MATERIAL	
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SHEET 1 OF 1 FAMILY TABLE:		