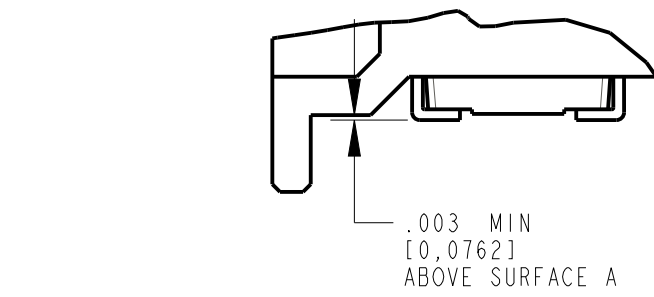
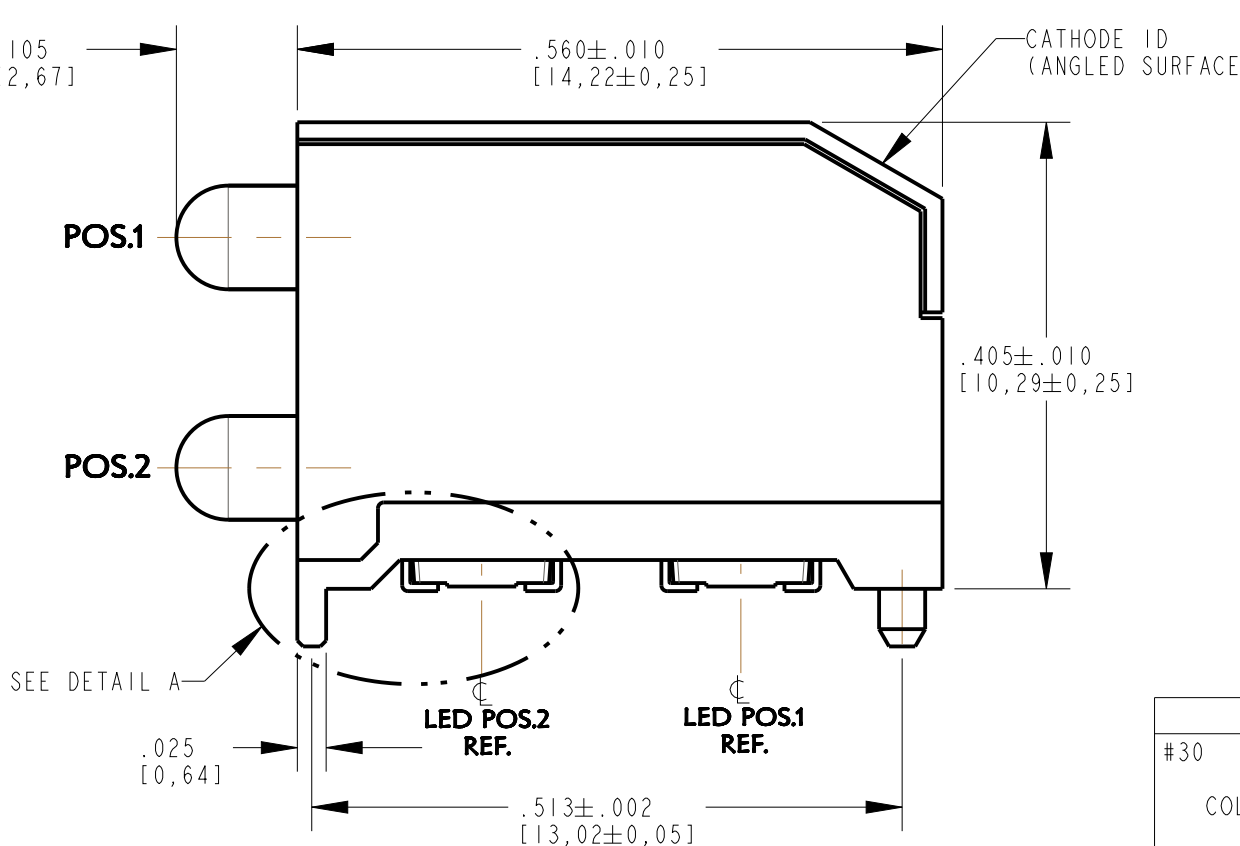
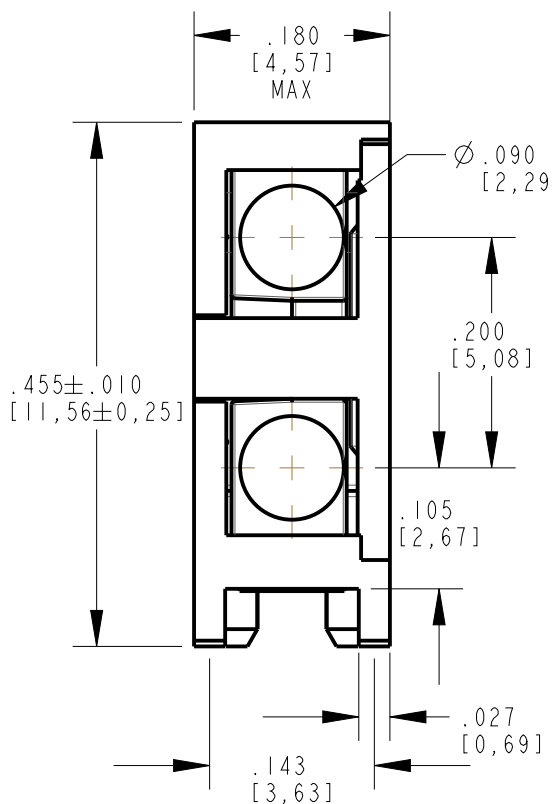


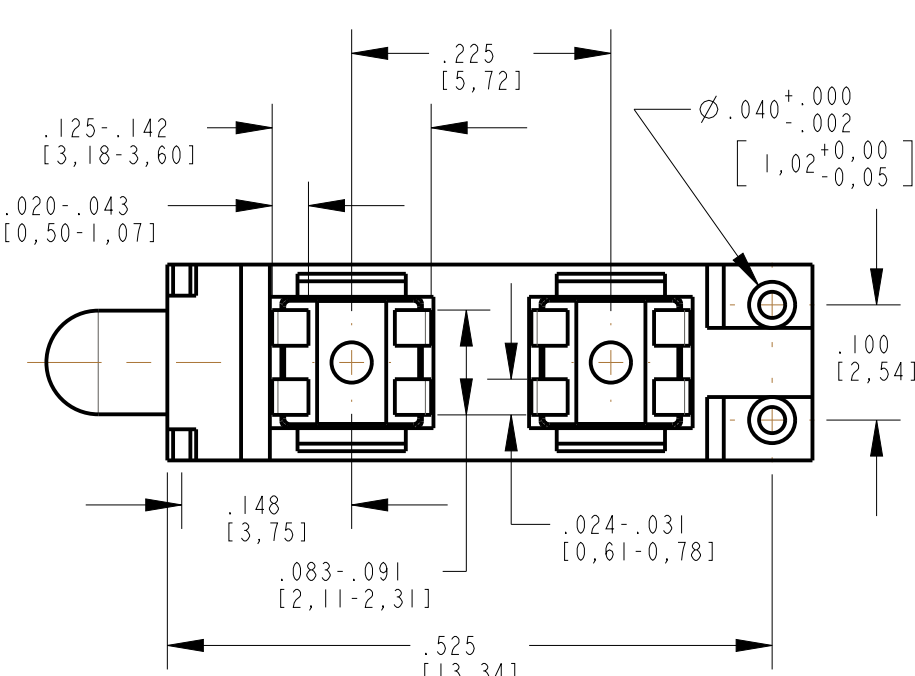
DIALIGHT PART NUMBER	PACKAGING	POSITION 1	POSITION 2	MSL
592-2020-302F	SAMPLE STRIP 13" REEL	RED [HI, EFF]	RED [HI, EFF]	2
592-2020-313F		RED [HI, EFF]	GREEN	2
592-2023-302F	SAMPLE STRIP 13" REEL	RED [HI, EFF]	GREEN	2
592-2023-313F		RED [HI, EFF]	GREEN	2
592-2121-302F	SAMPLE STRIP 13" REEL	RED [AlGaAs]	RED [AlGaAs]	2
592-2121-313F		RED [AlGaAs]	RED [AlGaAs]	2
592-2124-302F	SAMPLE STRIP 13" REEL	RED [AlGaAs]	YELLOW	2
592-2124-313F		RED [AlGaAs]	YELLOW	2
592-2126-302F	SAMPLE STRIP 13" REEL	RED [InGaAs]	BLUE [InGaAs]	2
592-2126-313F		RED [InGaAs]	BLUE [InGaAs]	2
592-2222-302F	SAMPLE STRIP 13" REEL	GREEN [HI, INT]	GREEN [HI, INT]	2
592-2222-313F		GREEN [HI, INT]	GREEN [HI, INT]	2
592-2320-302F	SAMPLE STRIP 13" REEL	GREEN	RED [HI, EFF]	2
592-2320-313F		GREEN	RED [HI, EFF]	2
592-2323-302F	SAMPLE STRIP 13" REEL	GREEN	GREEN	2
592-2323-313F		GREEN	GREEN	2
592-2324-302F	SAMPLE STRIP 13" REEL	GREEN	YELLOW	2
592-2324-313F		GREEN	YELLOW	2
592-2326-302F	SAMPLE STRIP 13" REEL	GREEN	BLUE [InGaAs]	2
592-2326-313F		GREEN	BLUE [InGaAs]	2
592-2420-302F	SAMPLE STRIP 13" REEL	YELLOW	RED [HI, EFF]	2
592-2420-313F		YELLOW	RED [HI, EFF]	2
592-2422-302F	SAMPLE STRIP 13" REEL	GREEN	GREEN [HI, INT]	2
592-2422-313F		GREEN	GREEN [HI, INT]	2
592-2423-302F	SAMPLE STRIP 13" REEL	YELLOW	GREEN	2
592-2423-313F		YELLOW	GREEN	2
592-2424-302F	SAMPLE STRIP 13" REEL	YELLOW	YELLOW	2
592-2424-313F		YELLOW	YELLOW	2
592-2436-302F	SAMPLE STRIP 13" REEL	YELLOW	ORANGE/GREEN	2
592-2436-313F		YELLOW	ORANGE/GREEN	2
592-2525-302F	SAMPLE STRIP 13" REEL	ORANGE	ORANGE	2
592-2525-313F		ORANGE	ORANGE	2
592-2626-302F	SAMPLE STRIP 13" REEL	BLUE [InGaAs]	BLUE [InGaAs]	2
592-2626-313F		BLUE [InGaAs]	BLUE [InGaAs]	2
592-2627-302F	SAMPLE STRIP 13" REEL	BLUE [InGaAs]	YELLOW	2
592-2627-313F		BLUE [InGaAs]	YELLOW	2
592-2628-302F	SAMPLE STRIP 13" REEL	BLUE [InGaAs]	WHITE	2
592-2628-313F		BLUE [InGaAs]	WHITE	2
592-2631-302F	SAMPLE STRIP 13" REEL	BLUE [InGaAs]	YELLOW/GREEN	2
592-2631-313F		BLUE [InGaAs]	YELLOW/GREEN	2
592-2727-302F	SAMPLE STRIP 13" REEL	YELLOW [AlInGaP]	YELLOW [AlInGaP]	2
592-2727-313F		YELLOW [AlInGaP]	YELLOW [AlInGaP]	2
592-2826-302F	SAMPLE STRIP 13" REEL	WHITE	BLUE [InGaAs]	2
592-2826-313F		WHITE	BLUE [InGaAs]	2
592-2828-302F	SAMPLE STRIP 13" REEL	WHITE	WHITE	2
592-2828-313F		WHITE	WHITE	2
592-2926-302F	SAMPLE STRIP 13" REEL	TRUE GREEN [InGaAs]	BLUE [InGaAs]	2a
592-2926-313F		TRUE GREEN [InGaAs]	BLUE [InGaAs]	2a
592-2927-302F	SAMPLE STRIP 13" REEL	GREEN [InGaAs]	YELLOW [AlInGaP]	2a
592-2927-313F		GREEN [InGaAs]	YELLOW [AlInGaP]	2a
592-3030-302F	SAMPLE STRIP 13" REEL	RED/GREEN	RED/GREEN	2
592-3030-313F		RED/GREEN	RED/GREEN	2
592-3031-302F	SAMPLE STRIP 13" REEL	RED/GREEN	YELLOW/GREEN	2
592-3031-313F		RED/GREEN	YELLOW/GREEN	2
592-3034-302F	SAMPLE STRIP 13" REEL	RED/GREEN	RED/BLUE	2a
592-3034-313F		RED/GREEN	RED/BLUE	2a
592-3126-302F	SAMPLE STRIP 13" REEL	YELLOW/GREEN	BLUE [InGaAs]	2
592-3126-313F		YELLOW/GREEN	BLUE [InGaAs]	2
592-3131-302F	SAMPLE STRIP 13" REEL	YELLOW/GREEN	YELLOW/GREEN	2
592-3131-313F		YELLOW/GREEN	YELLOW/GREEN	2
592-3232-302F	SAMPLE STRIP 13" REEL	RED/YELLOW	RED/YELLOW	2
592-3232-313F		RED/YELLOW	RED/YELLOW	2
592-3236-302F	SAMPLE STRIP 13" REEL	RED/YELLOW	ORANGE/GREEN	2
592-3236-313F		RED/YELLOW	ORANGE/GREEN	2
592-3535-302F	SAMPLE STRIP 13" REEL	RED/GRN/BLUE	RED/GRN/BLUE	2
592-3535-313F		RED/GRN/BLUE	RED/GRN/BLUE	2



DETAIL A
SCALE 8.000

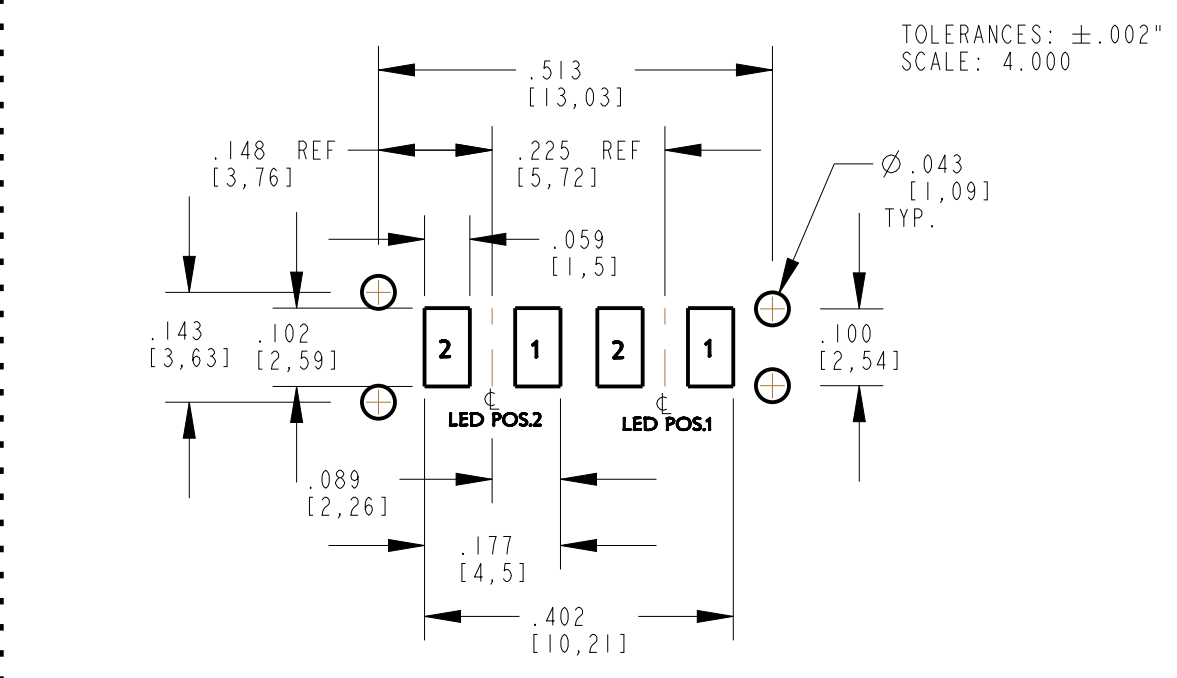


++SINGLE COLOR LED ASSEMBLY++



++BI-COLOR LED ASSEMBLY++

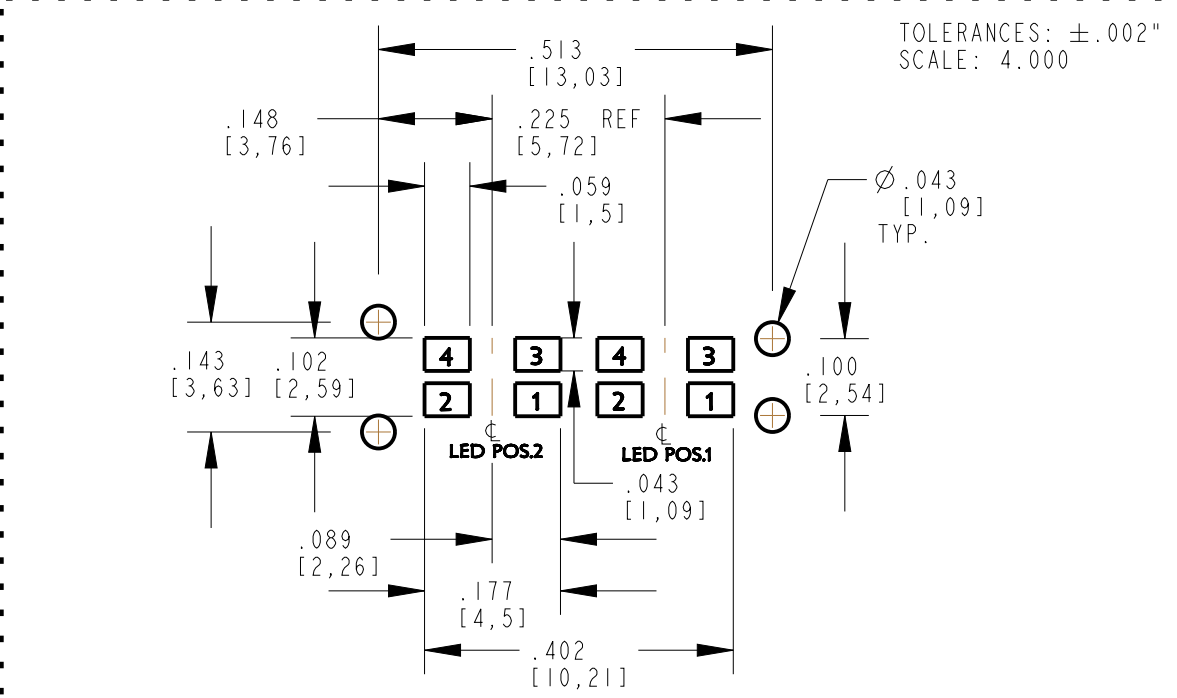
OPERATING CHARACTERISTICS AT 25°C AMBIENT - SINGLE COLOR LEDs										
COLOR		LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	FORWARD VOLTAGE (V)		REVERSE CURRENT (μA)
#	DESCRIPTION	TYP		MIN	TYP	MAX	TYP	TYP	MAX	MAX
20	RED [HI, EFF]	3	10	622	628	634	635	2.0	2.5	10 @ V _R =12 V
21	RED [AlGaAs]	9	10	—	645	—	660	1.75	2.5	10 @ V _R =12 V
22	GREEN [HI, INT]	6	10	564	570	576	572	2.0	2.5	10 @ V _R =12 V
23	GREEN	4	10	564	570	576	572	2.0	2.5	10 @ V _R =12 V
24	YELLOW	2	10	580	587	595	586	2.0	2.5	10 @ V _R =5 V
25	ORANGE	2	10	600	606	609	610	2.0	2.5	10 @ V _R =5 V
26	BLUE [InGaAs]	6	10	462	465	468	428	3.5	4.1	10 @ V _R =12 V
27	YELLOW [AlInGaP]	60	20	580	587	595	591	2.0	2.4	10 @ V _R =12 V
28	WHITE	34	10	X: .285; .33; .367 Y: .259; .33; .401			—	3.1	3.7	10 @ V _R =5 V
29	GREEN [InGaAs]	56	20	—	525	—	523	3.7	4.3	10 @ V _R =12 V



TOLERANCES: ±.002"
SCALE: 4.000

LED COLOR	PIN 1	PIN 2
SINGLE COLOR	CATHODE	ANODE

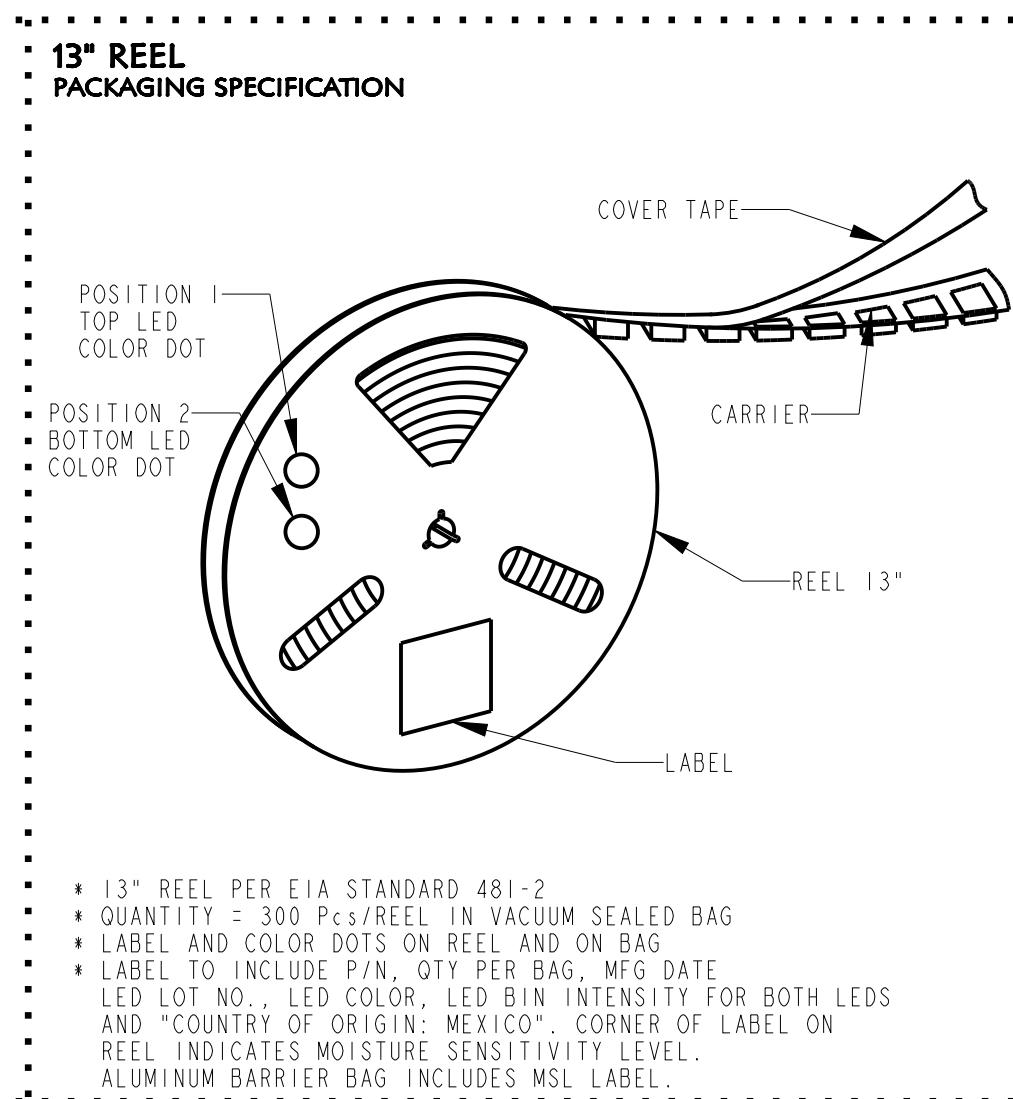
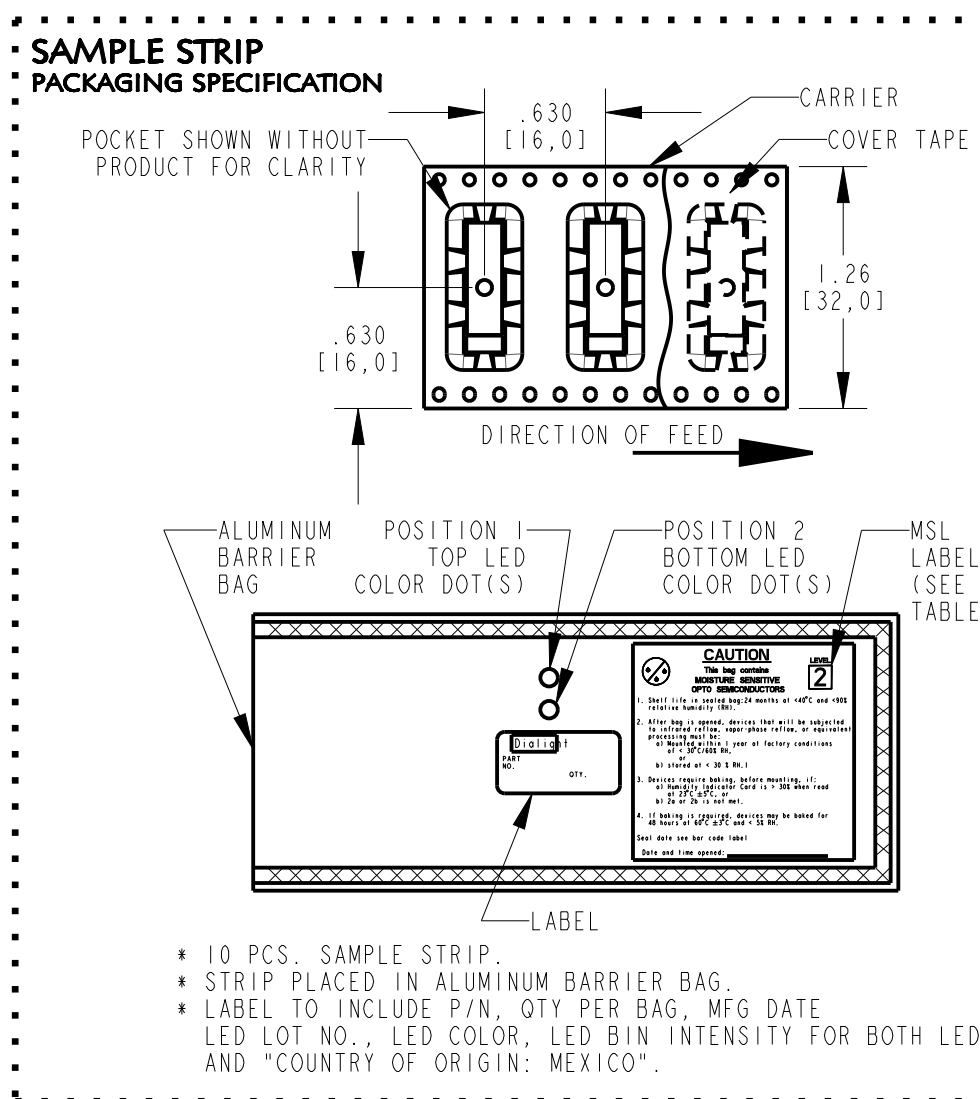
RECOMMENDED PAD LAYOUT - SINGLE COLOR



TOLERANCES: ±.002"
SCALE: 4.000

LED COLOR	PIN 1	PIN 2	PIN 3	PIN 4
RED/YELLOW	RED CATHODE	RED ANODE	YELLOW ANODE	YELLOW CATHODE
YELLOW/GREEN	YELLOW CATHODE	YELLOW ANODE	GREEN ANODE	GREEN CATHODE
RED/GREEN	RED CATHODE	RED ANODE	GREEN ANODE	GREEN CATHODE
RED/BLUE	RED CATHODE	RED ANODE	BLUE ANODE	BLUE CATHODE
ORANGE/GREEN	ORANGE CATHODE	ORANGE ANODE	GREEN ANODE	GREEN CATHODE
R/G/B TRI-COLOR	RED CATHODE	COMMON ANODE	GREEN CATHODE	BLUE CATHODE

RECOMMENDED PAD LAYOUT - MULTI-COLOR



- 13" REEL PER EIA STANDARD 481-2
- QUANTITY = 300 PCS/REEL IN VACUUM SEALED BAG
- LABEL AND COLOR DOTS ON REEL AND ON BAG
- LABEL TO INCLUDE P/N, QTY PER BAG, MFG DATE
- LED LOT NO., LED COLOR, LED BIN INTENSITY FOR BOTH LEDS AND "COUNTRY OF ORIGIN: MEXICO". CORNER OF LABEL ON REEL INDICATES MOISTURE SENSITIVITY LEVEL.
- ALUMINUM BARRIER BAG INCLUDES MSL LABEL

OPERATING CHARACTERISTICS AT 25°C AMBIENT - RED/GREEN BI-COLOR LED											
#30	COLOR	LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)		FORWARD VOLTAGE (V)		
				MIN	TYP	MAX	TYP		TYP	MAX	
		TYP									
		RED	3	10	622	628	634	635	2.0	2.5	
GREEN	4	10	564	570	576	572	2.0	2.5			

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

OPERATING CHARACTERISTICS AT 25°C AMBIENT - YELLOW/GREEN BI-COLOR LED								
#31	COLOR	LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)		PEAK WAVELENGTH (nm)	FORWARD VOLTAGE (V)	
				MIN	TYP	MAX	TYP	TYP
YELLOW	2	10	584	590	596	587	2.0	2.5
GREEN	3	10	564	570	576	572	2.0	2.5

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

OPERATING CHARACTERISTICS AT 25° C AMBIENT - RED/YELLOW BI-COLOR LED									
#32	COLOR	LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	FORWARD VOLTAGE (V)	
		TYP		MIN	TYP	MAX	TYP	TYP	MAX
	RED	21	20	627	633	639	645	2.0	2.3
YELLOW	34	20	580	587	595	591	2.0	2.4	

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

OPERATING CHARACTERISTICS AT 25 °C AMBIENT - RED/BLUE BI-COLOR LED								
#34	COLOR	LUMINOUS INTENSITY (mcd)	TEST CURRENT (mA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	FORWARD VOLTAGE (V)
				MIN	TYP	MAX	TYP	TYP
TYP								
RED		21		10	620	625	630	—
BLUE	24	10	465	467	470	—	3.0	3.2

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - RED/BLUE BI-COLOR LED			COLOR	UNITS
			RED	BLUE
POWER DISSIPATION			100	200
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10ms PULSE WIDTH)			500	500
CONTINUOUS FORWARD CURRENT			30	30
LINEAR DERATING FROM 80°C			1.0	0.50
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)			260	260
OPERATING TEMPERATURE			-40 TO +100	-40 TO +100
STORAGE TEMPERATURE			-40 TO +100	-40 TO +100



**Стандарт
Электрон
Связь**

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С нами вы становитесь еще успешнее!

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