

503023

DATA DISPLAY PRODUCTS (DDP) PROPRIETARY INFORMATION. DO NOT REPRODUCE, COPY,
OR USE WITHOUT EXPRESS WRITTEN PERMISSION. COPYRIGHT DATA DISPLAY PRODUCTS.ELECTRO-OPTICAL CHARACTERISTICS
@ T_a = 25°C

SYM	PARAMETER	X = LED COLOR						UNIT
		RED	AMBER	GREEN	BLUE	WHITE	WARM-WHT	
I _v	TYP. LUMINOUS INTENSITY W/D LENS @ I _f =20mA	2.2	2.2	7.0	1.5	4.9	4.0	cd
V _o	OPERATING VOLTAGE	28	28	28	28	28	28	V
I _f	TYP. FORWARD CURRENT @ V _f =28V	19.5~20.5						mA
I _m	MAX. FORWARD CURRENT @ V _f =30V	23.0	23.0	16.5	16.5	16.5	16.5	mA
V _{br}	REVERSE BREAKDOWN @ I _r =100μA	-	-	-	-	-	-	V
λ _{pk}	PEAK WAVELENGTH	629	592	520	465	-	-	nm
λ _D	DOMINANT WAVELENGTH	623	590	525	470	-	-	nm

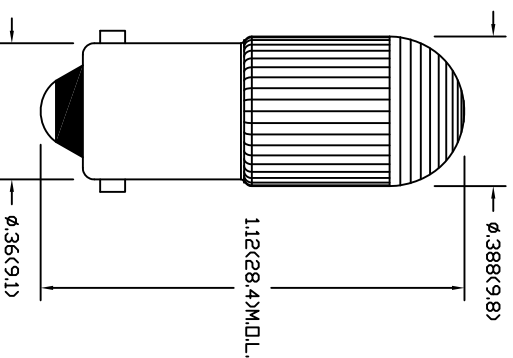
ABSOLUTE MAX. RATINGS T_a=25°C

PARAMETER	VALUE			UNIT
	R & A	G, B, W, L	L	
POWER DISSIPATION	690	495		mW
OPERATING VOLTAGE	30	30		V
OPERATING TEMPERATURE	-40<+60	-30<+60		°C
STORAGE TEMPERATURE	-40<+100	-40<+100		°C

REMARKS:

- Dimensions are in inches(mm).
- The lens is clear-tinted with a Fresnel pattern.
- This device is immune to peak noise current of 3mA.
- Caution: GAIN LEDs are class 1 ESD sensitive (MIL-STD-1686). Exceeding absolute maximum ratings may cause damage to, or possibly result in catastrophic failure of these devices. Use appropriate ESD precautions during handling and operation.
- For white and warm-white LED chromaticity coordinate range, see drawing #502590 and 503841 respectively.
- This device is RoHS compliant.

REV.	DATE	BY	DESCRIPTION
A	011024	LC	INITIAL RELEASE
B	020911	LC	CHANGE R, A 3CL1 TO 1CL1
C	120731	LC	ADD WARM-WHITE & UPDATE LEDS
-	-	-	-



Data Display Products

445 S. DUNGLAS ST., EL SEGUNDO, CA 90245 (310)640-0442 FAX: (310)640-7639

DATE:	011024	DRAWN BY:	LC	CHECKED BY:		APPROVED BY:	
LAST REV. DATE:	120731	REV. LEVEL:	C	MATERIAL THICKNESS:			

TITLE: 1819LS-X-CX

SCALE:	-	TOL:	.XX(X) .XXX(X) ANGLE:	-	DRAWING NUMBER:	503023
			± .025(.63) .010(.25)			