

1.6(L)×0.8(W)×0.6(H)mm

● 超小型タイプLED CL-190の厚み(0.8mm)を更に薄くした1.6(L)×0.8(W)×0.6(H)mmの超小型チップLEDです。

● Ultra-small-sized chip LED even thinner than CL-190 (0.8mm thick), dimensions: 1.6 (L)×0.8(W)×0.6(H)mm

●絶対最大定格/Absolute Maximum Rating

(Ta 25°C)

Series	Pd (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	T _{op} (°C)	T _{st} (°C)
CL-191 (UR,HRを除く Except UR and HR)	50	20	100*1	5	-25~+80	-30~+85
CL-191UR/HR	78	30				

※1 I_{FP}の条件はduty 1/10、パルス巾0.1msecです。

※1 Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

●電光的学的特性/Electro-optical Characteristics

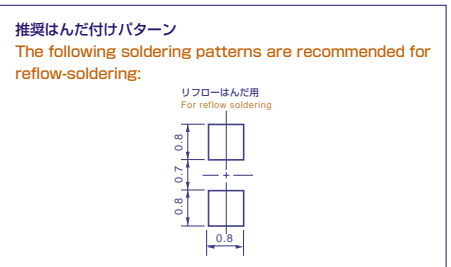
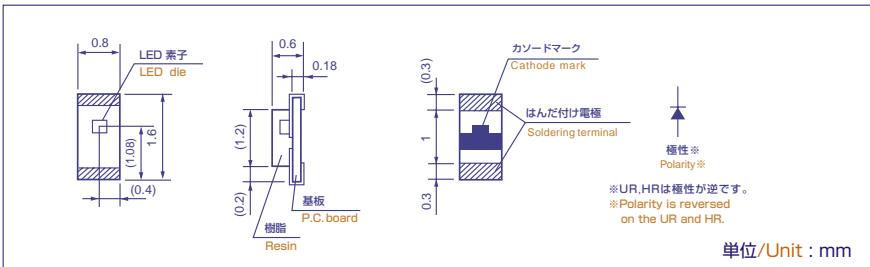
(Ta 25°C)

Code for parts	Lighting color	V _F			λ _p typ (nm)	Δλ typ (nm)	I _v * (mcd)		
		I _F (mA)	typ (V)	max (V)			I _F (mA)	min (mcd)	typ (mcd)
CL-191R	Red	20	2.2	2.6	700	100	20	0.5	1.3
CL-191D	Orange	20	2.2	2.6	605	40	20	2.4	7.1
CL-191Y	Yellow	20	2.1	2.6	589	40	20	2.6	6.4
CL-191YG	Yellow green	20	2.2	2.6	570	30	20	5	18
CL-191G	Green	20	2.2	2.6	567	26	20	2.5	10
CL-191FG	Fresh green	20	2.2	2.6	560	26	20	2.2	6.5
CL-191PG	Pure green	20	2.2	2.6	557	24	20	1	3
CL-191SR	Super brightness red	20	2	2.6	650	40	20	1.5	4.3
CL-191SD	Super brightness orange	20	2	2.6	630	40	20	2	6.2
CL-191UR	Ultra brightness red	20	1.8	2.6	660	20	20	3.5	13
CL-191HR	High brightness red	20	1.8	2.6	660	20	20	5	23

※NIST規格に準拠

※Per NIST standards

●外形寸法図/Outline drawing



■ 諸特性 / Characteristics

