

Electro-Optical Characteristics :

 $I_F @ 20\text{mA}, T_a 25^\circ\text{C}$

Code for Parts	Lighting Color	Material	V _F (V)		λ (nm)			I _v [*] (mcd)
			typ.	max.	λ _D	λ _P	Δλ	typ.
MLM-191PG	Pure Green	GaP	2.2	2.6	563	557	24	4.0
MLM-191UG	Super Green	GaP	2.2	2.6	567	565	24	11
MLM-191G	Green	GaP	2.2	2.6	567	565	26	8.0
MLM-191YG	Yellow Green	GaP	2.2	2.6	572	570	30	13
MLM-191Y	Yellow	GaAsP	2.1	2.6	590	589	40	8.0
MLM-191D	Amber	GaAsP	2.1	2.6	606	610	40	7.0
MLM-191SD	Super Bright Orange	GaAsP	2.1	2.6	632	642	40	13
MLM-191UR	Super Bright Red	AlGaAs	1.9	2.6	643	660	20	20
MLM-191HR	High Bright Red	AlGaAs	1.9	2.6	643	660	20	28
MLM-191R	Red	GaP	2.2	2.6	645	700	100	2.7

*NIST standards

Absolute Maximum Ratings :

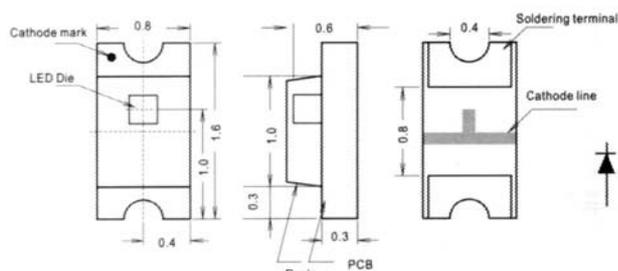
(T_a=25°C)

Series	P _d (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
MLM-191 Series	65	25	100**	5	-30 to +80	-40 to +85
MLM-191 UR/HR	78	30				

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

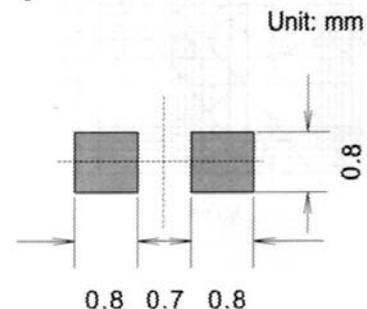
Package Outline Dimensions :

Unit: mm Tolerance: +/-0.1



• Recommended Soldering Pattern for Reflow

Soldering :



- Soldering terminal (size: 0.3x 0.6 mm) may shift in x, y direction.
- Polarity referring onto the cathode mark /line is reversed on the UR/HR.

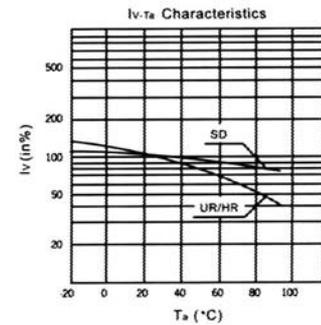
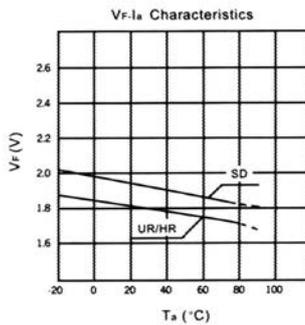
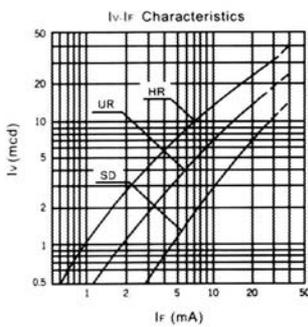
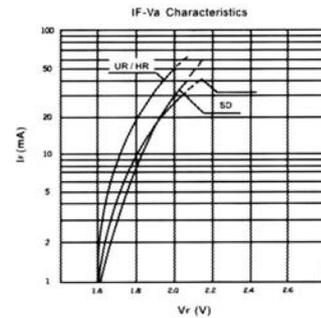
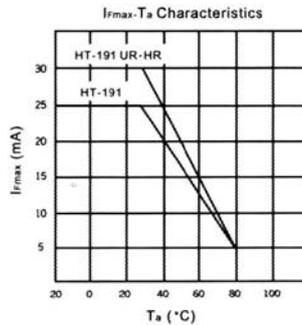
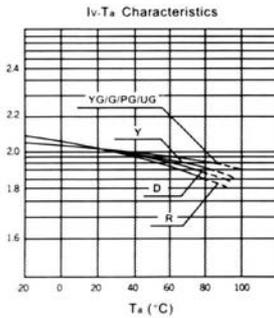
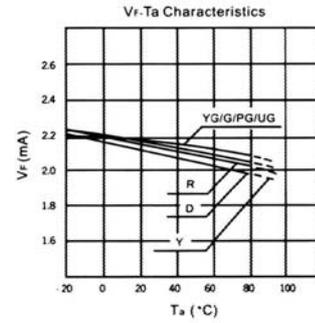
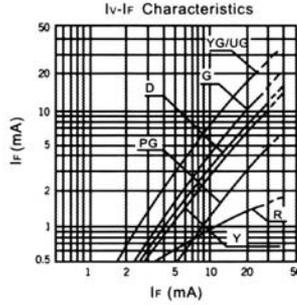
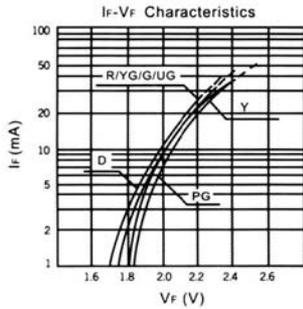

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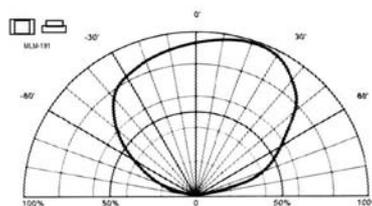
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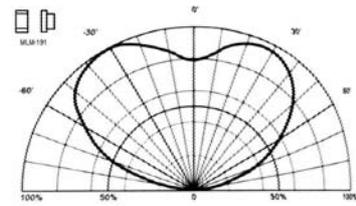
Characteristics of MLM-191 Series :



Directive Characteristics



Directive Characteristics



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