

Electro-Optical Characteristics :

$I_F@20mA, T_a25^{\circ}C$

Code for Parts	Lighting Color	Material	V _F (V)		λ (nm)			I _v [*] (mcd)
			typ.	max.	λ _D	λ _P	Δ λ	typ.
MLM-150PG	Pure Green	GaP	2.2	2.6	563	557	24	3.5
MLM-150UG	Super Green	GaP	2.2	2.6	567	565	24	9.5
MLM-150G	Green	GaP	2.2	2.6	567	565	26	6.5
MLM-150YG	Yellow Green	GaP	2.2	2.6	572	570	30	9.5
MLM-150Y	Yellow	GaAsP	2.1	2.6	590	589	40	6.5
MLM-150D	Amber	GaAsP	2.1	2.6	606	610	40	6.0
MLM-150SD	Super Bright Orange	GaAsP	2.1	2.6	632	642	40	10
MLM-150UR	Super Bright Red	AlGaAs	1.9	2.6	643	660	20	17
MLM-150HR	High Bright Red	AlGaAs	1.9	2.6	643	660	20	25
MLM-150R	Red	GaP	2.2	2.6	643	700	100	2.5

*NIST standards

Absolute Maximum Ratings :

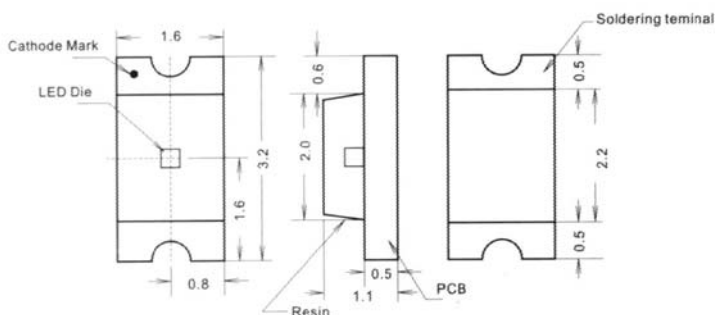
(T_a=25°C)

Series	P _d (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
MLM-150 Series	65	25	100**	5	-30 to +80	-40 to +85
MLM-150 UR/HR	78	30				

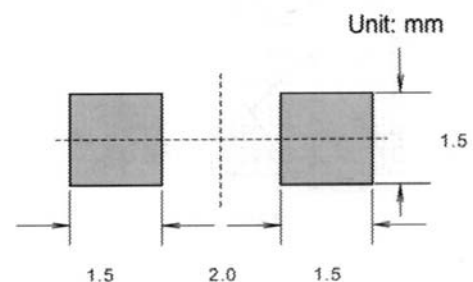
**Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width

Package Outline Dimensions :

Unit: mm Tolerance: +/-0.1



• Recommended Soldering Pattern for Reflow Soldering :



1. Soldering terminal may shift in x, y direction.
2. Polarity referring onto the cathode mark is reversed on the UR / HR.



MICRO ELECTRONICS LTD.

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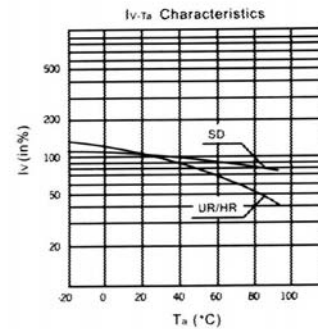
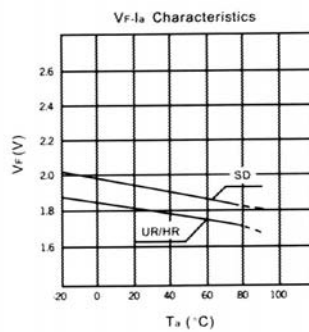
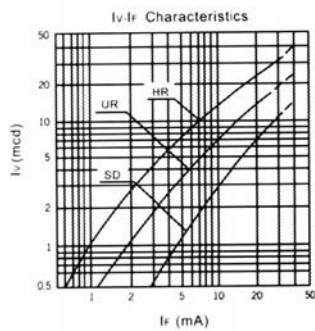
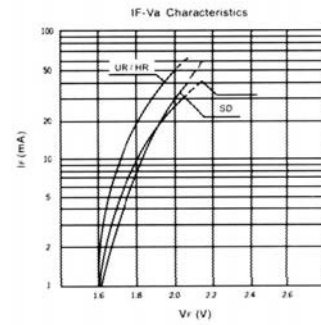
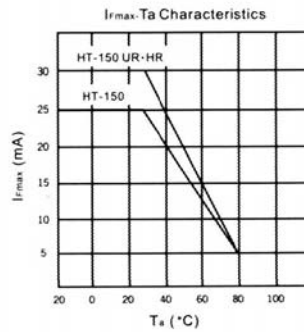
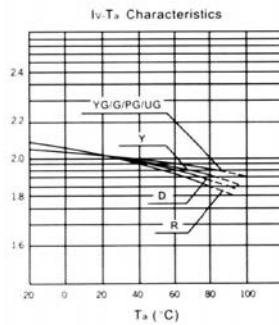
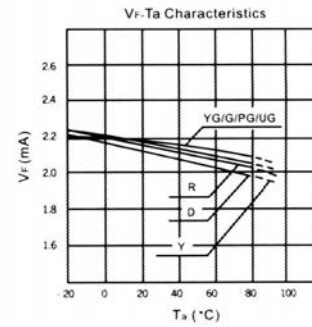
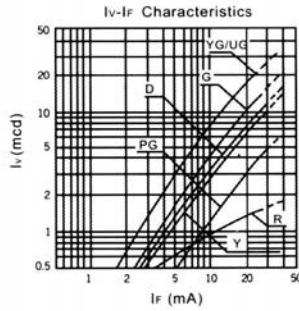
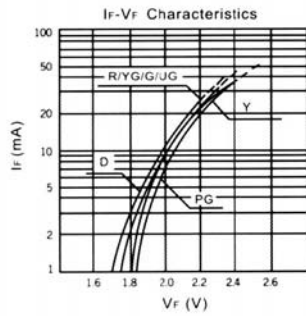
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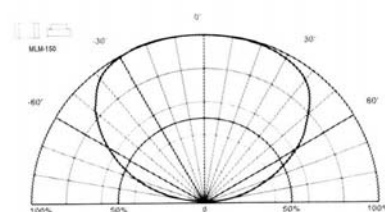
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MLM-150 Series
 Visible LED
 Conventional Brightness-
 GaP, GaAsP and AlGaAs

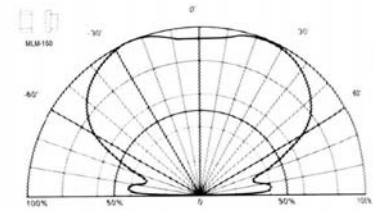
Characteristics of MLM-150 Series :



Directive Characteristics



Directive Characteristics



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