

### Electro-Optical Characteristics :

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

Code for Parts	Lighting Color	$V_F(V)$		$\lambda (nm)$			$I_v^*(mcd)$
		typ.	max.	$\lambda_D$	$\lambda_P$	$\Delta \lambda$	typ.
MLM-155SD/YG	Super Bright Orange (SD)	2.1	2.6	632	642	40	10.0
	Yellow Green (YG)	2.2	2.6	572	570	30	9.5
MLM-155D/YG	Amber (D)	2.1	2.6	606	610	40	7.0
	Yellow Green (YG)	2.2	2.6	572	570	30	9.5
MLM-155Y/YG	Yellow (YG)	2.1	2.6	590	589	40	8.0
	Yellow Green (YG)	2.2	2.6	572	570	30	9.5
MLM-155YG/YG	Yellow Green (YG)	2.2	2.6	572	570	30	9.5
	Yellow Green (YG)	2.2	2.6	572	570	30	9.5
MLM-155UR/UR	Super Bright Red (UR)	1.9	2.6	643	660	20	17.0
	Super Bright Red (UR)	1.9	2.6	643	660	20	17.0

\*NIST standards

### Absolute Maximum Ratings :

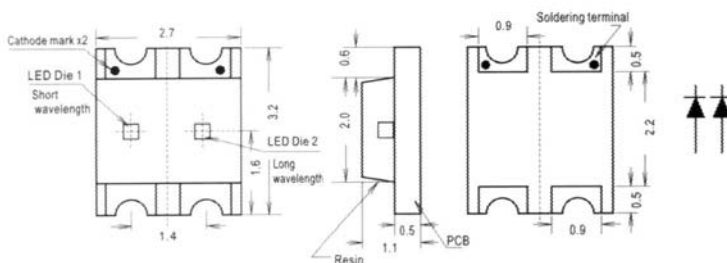
$(T_a=25^{\circ}C)$

Series	$P_d(mW)$	$I_F(mA)$	$I_{FP}(mA)$	$V_R(V)$	$T_{OP}(^{\circ}C)$	$T_{ST}(^{\circ}C)$
MLM-155 Series	65	25	100**	5	-30 to +80	-40 to +85
MLM-155 UR/HR	78	30				

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

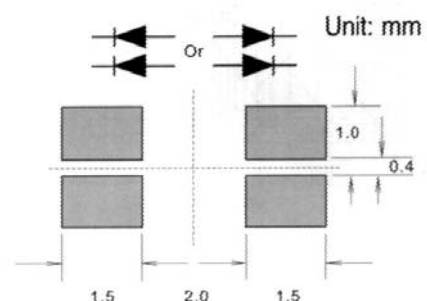
### Package Outline Dimensions :

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/UR or HR/HR.
3. Both dice in the package need to be either P-side up or N-side up.



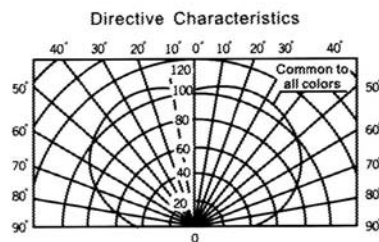
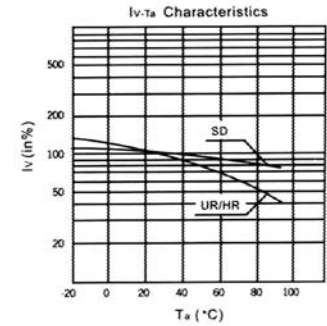
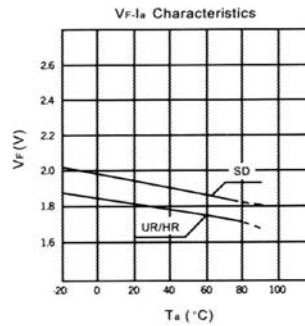
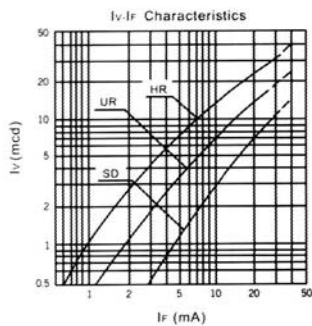
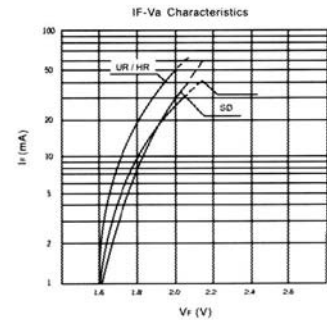
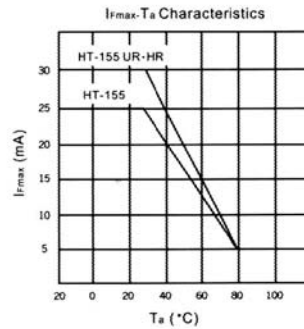
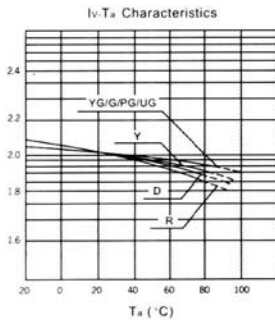
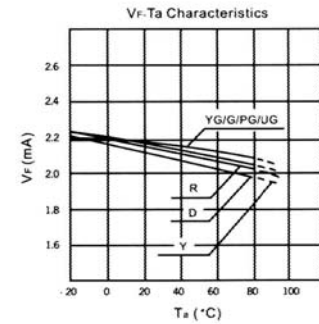
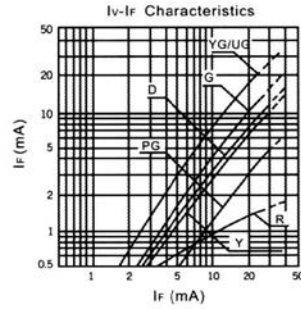
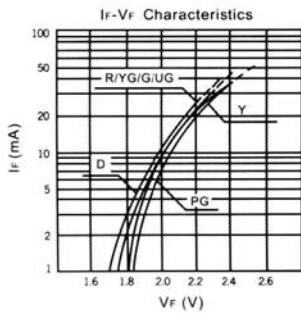
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### Characteristics of MLM-155 Series :



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