

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-170PG	Pure Green	GaP	2.2	2.6	563	557	24	3.5
MLM-170UG	Super Green	GaP	2.2	2.6	567	565	24	9.5
MLM-170G	Green	GaP	2.2	2.6	567	565	26	6.5
MLM-170YG	Yellow Green	GaP	2.2	2.6	572	570	30	9.5
MLM-170Y	Yellow	GaAsP	2.1	2.6	590	589	40	6.5
MLM-170D	Amber	GaAsP	2.1	2.6	606	610	40	6.0
MLM-170SD	Super Bright Orange	GaAsP	2.1	2.6	632	642	40	10
MLM-170UR	Super Bright Red	AlGaAs	1.9	2.6	643	660	20	17
MLM-170HR	High Bright Red	AlGaAs	1.9	2.6	643	660	20	25
MLM-170R	Red	GaP	2.2	2.6	645	700	100	2.5

*NIST standards

Absolute Maximum Ratings :

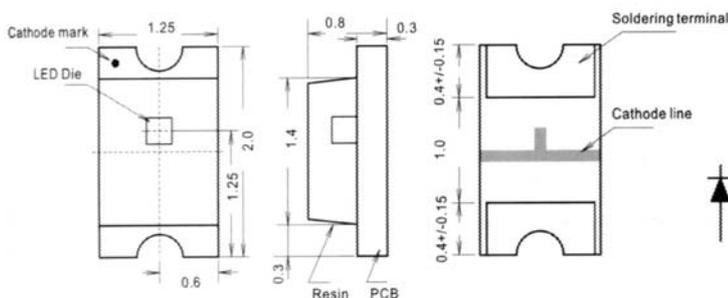
(T_a=25°C)

Series	P _d (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
MLM-170 Series	56	25	100**	5	-30 to +80	-40 to +85
MLM-170 UR/HR	78	30				

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

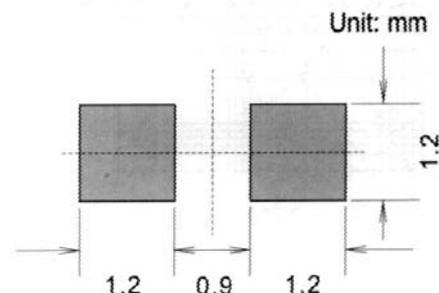
Package Outline Dimensions :

Unit: mm Tolerance: +/-0.1



• Recommended Soldering Pattern for Reflow

Soldering :



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

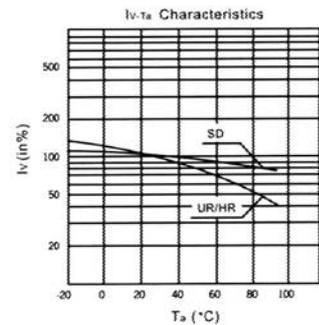
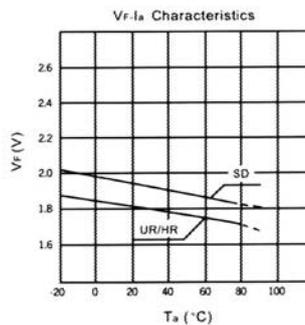
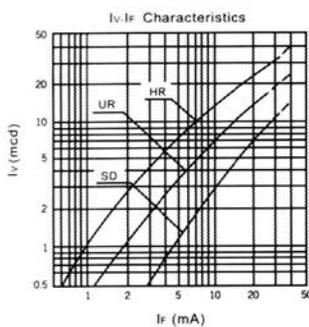
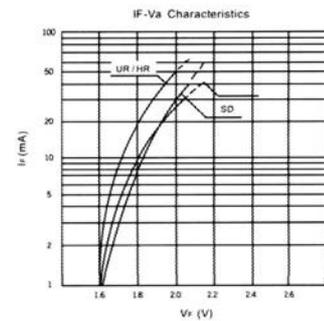
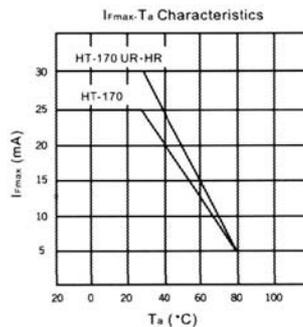
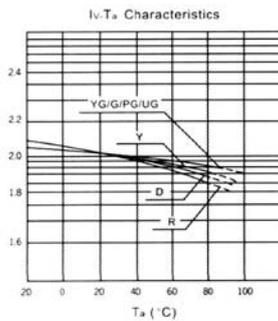
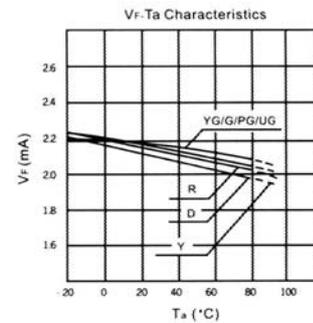
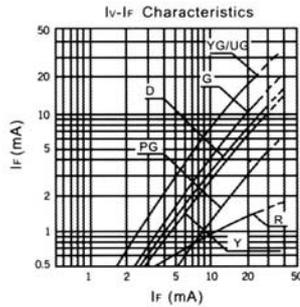
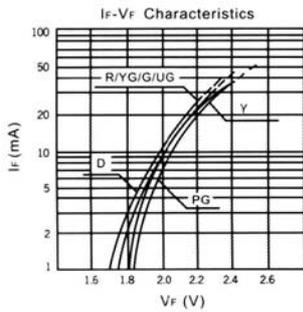

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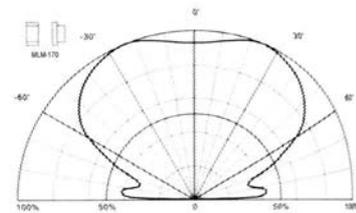
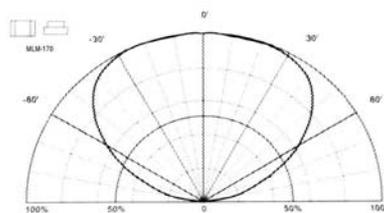
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Characteristics of MLM-170 Series :



Directive Characteristics

Directive Characteristics



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