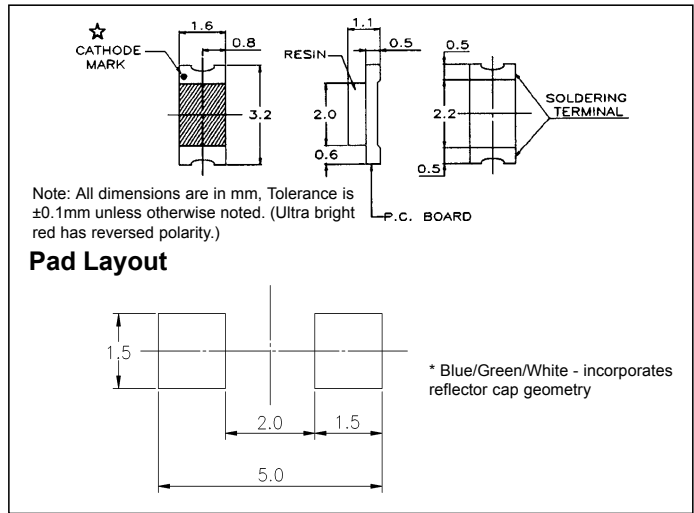


# Surface Mount LED Lamps

## FEATURES

- Industry standard footprint
- Compatible with automatic placement equipment
- Compatible with infrared and vapor phase reflow solder processes
- Long life solid state reliability
- IC Compatible
- JEDEC Precondition Stress Tested
- Also Available in Water Clear Package



## MAXIMUM RATINGS (Ta = 25°C)

PART NO.	FORWARD CURRENT- ( $I_f$ ) (mA)	REVERSE VOLTAGE ( $V_R$ ) (V)	POWER DISSIPATION ( $P_D$ ) (mW)	OPERATING TEMPERATURE ( $T_{opr}$ ) (°C)	STORAGE TEMPERATURE ( $T_{stg}$ ) (°C)
MTSM5100LA-G	30	5	70	-30~+85	-30~+100
MTSM5100L-UY	30	4	85	-30~+85	-30~+100
MTSM5100LA-UA	30	4	85	-30~+85	-30~+100
MTSM5100LA-UO	30	4	85	-30~+85	-30~+100
MTSM5100LA-UR	30	4	70	-30~+85	-30~+100
MTSM5100L-UG	30	4	85	-30~+85	-30~+100
MTSM5100LB-UR	30	4	85	-30~+85	-30~+100
MTSM5100LA-UBL	30	5	70	-30~+85	-30~+100
MTSM5100LA-UV	30	5	70	-30~+85	-30~+100
MTSM5100LA-WT	30	5	70	-30~+85	-30~+100



## OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

PART NO.	MATERIAL	EMITTING COLOR	LENS COLOR	VIEWING ANGLE typ.	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVE LENGTH nm	Static Sensitive
					min.	typ.	@mA	typ.	max.	@mA	μA	Vr		
MTSM5100LA-G	GaP	Green	White Diff.	170°	5	10	20	2.2	2.6	20	100	5	570	—
MTSM5100L-UY	InGaAlP	UR Yellow	White Diff.	170°	25	45	20	2.1	2.8	20	100	4	589	—
MTSM5100LA-UA	InGaAlP	UR Amber	White Diff.	170°	25	45	20	2.1	2.8	20	100	4	610	—
MTSM5100LA-UO	InGaAlP	UR Orange	White Diff.	170°	25	45	20	2.1	2.8	20	100	4	636	—
MTSM5100LA-UR	AlGaAs	SB Red	White Diff.	170°	9	17	20	1.8	2.2	20	100	4	660	—
MTSM5100L-UG	InGaAlP	UR Green	White Diff.	170°	15	30	20	2.2	2.8	20	100	4	570	—
MTSM5100LB-UR	InGaAlP	UR Red	White Diff.	170°	20	35	20	2.1	2.8	20	100	4	640	—
MTSM5100LA-UBL	InGaN	UR Blue	Water Clear	120°	—	35	20	3.5	4.2	20	100	5	468	
MTSM5100LA-UV	GaN	Blue	Water Clear	120°	—	12	20	4.0	4.7	20	100	5	430	
MTSM5100LA-WT	InGaN	White	Water Clear	120°	—	30	20	4.0	4.7	20	100	5	—	



120 Broadway • Menands, New York 12204  
Toll Free: (800) 98-4LEDS • Fax: (518) 432-7454

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All specifications subject to change.