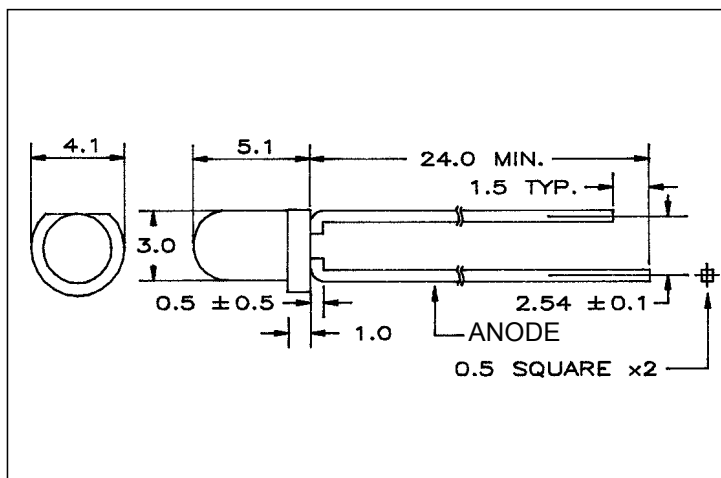


# Ultra Bright T-1 LED Lamps

## FEATURES

- Ultra bright GaP green
- Ultra bright yellow InGaAlP technology
- InGaN Blue & Green
- Excellent on/off contrasts
- Low drive current
- Choice of lens color
- Can be packaged on tape in a reel or in a box



## MAXIMUM RATINGS (Ta = 25°C)

PART NO.	FORWARD CURRENT (I <sub>F</sub> ) (mA)	REVERSE VOLTAGE (V <sub>R</sub> ) (V)	POWER DISSIPATION (P <sub>D</sub> ) (mW)	OPERATING TEMPERATURE (T <sub>opr</sub> ) (°C)	STORAGE TEMPERATURE (T <sub>stg</sub> ) (°C)
MT2103-UG	30	5.0	105	-25~+85	-25~+100
MT2303-UG	30	5.0	105	-25~+85	-25~+100
MT2303-TUG	30	4.0	75	-25~+85	-25~+100
MT3103A-UY	30	4.0	75	-25~+85	-25~+100
MT3203A-UY	30	4.0	75	-25~+85	-25~+100
MT3303A-UY	30	4.0	75	-25~+85	-25~+100
MT3403A-UY	30	4.0	75	-25~+85	-25~+100
MT3003B-UBL	30	4.0	75	-25~+85	-25~+100
MT4003B-UBL	30	4.0	75	-25~+85	-25~+100



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

PART NO.	MATERIAL	LENS COLOR	VIEWING ANGLE typ.	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVE LENGTH	Static Sensitive
				min.	typ.	@mA	typ.	max.	@mA	µA	Vr	nm	
MT2103-UG	GaP/GaP	Green Diff	56°	20	50	20	2.1	3.0	20	100	5	567	—
MT2303-UG	GaP/GaP	Water Clear	36°	65	160	20	2.1	3.0	20	100	5	567	—
MT2303-TUG	InGaN	Water Clear	28°	2030	3690	20	3.0	3.8	20	100	4	505	
MT3103A-UY	InGaAlP	Yellow Diff	54°	70	120	20	2.0	2.5	20	100	4	590	—
MT3203A-UY	InGaAlP	White Diff	54°	70	120	20	2.0	2.5	20	100	4	590	—
MT3303A-UY	InGaAlP	Water Clear	46°	245	405	20	2.0	2.5	20	100	4	590	—
MT3403A-UY	InGaAlP	Yellow Clear	46°	245	405	20	2.0	2.5	20	100	4	590	—
MT3003B-UBL	InGaN	Water Clear	30°	190	350	20	3.8	4.0	20	100	4	470	
MT4003B-UBL	InGaN	Blue Clear	30°	190	350	20	3.8	4.0	20	100	4	470	



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

For up-to-date product info visit our web site at [www.marktechopto.com](http://www.marktechopto.com)

All specifications subject to change.