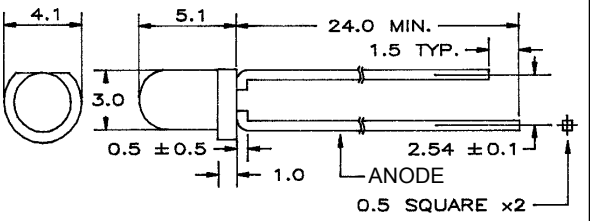
Ultra Bright T-1 LED Lamps

FEATURES

- Excellent on/off contrasts
- Low drive current
- High intensity red light emission
- Choice of lens color
- Available in two materials
- Can be packaged on tape in a reel or in a box



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}) (ºC)	STORAGE TEMPERATURE (T_{stg}) (ºC)
MT7103-UR	30	4.0	70	-25~+85	-25~+100
MT7203-UR	30	4.0	70	-25~+85	-25~+100
MT7303-UR	30	4.0	70	-25~+85	-25~+100
MT7403-UR	30	4.0	70	-25~+85	-25~+100
MT7103A-UR	30	4.0	70	-25~+85	-25~+100
MT7203A-UR	30	4.0	70	-25~+85	-25~+100
MT7303A-UR	30	4.0	70	-25~+85	-25~+100
MT7403A-UR	30	4.0	70	-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
				min.	typ.	@mA	typ.	max.	@mA	µA	Vr	nm
MT7103-UR	GaAlAs/GaAs	Red Diff	54°	108	180	20	1.9	2.5	20	100	4	660
MT7203-UR	GaAlAs/GaAs	White Diff	54°	108	180	20	1.9	2.5	20	100	4	660
MT7303-UR	GaAlAs/GaAs	Water Clear	46°	360	600	20	1.9	2.5	20	100	4	660
MT7403-UR	GaAlAs/GaAs	Red Clear	46°	360	600	20	1.9	2.5	20	100	4	660
MT7103A-UR	GaAlAs	Red Diff	54°	210	350	20	1.9	2.5	20	100	4	660
MT7203A-UR	GaAlAs	White Diff	54°	210	350	20	1.9	2.5	20	100	4	660
MT7303A-UR	GaAlAs	Water Clear	46°	720	1200	20	1.9	2.5	20	100	4	660
MT7403A-UR	GaAlAs	Red Clear	46°	720	1200	20	1.9	2.5	20	100	4	660

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