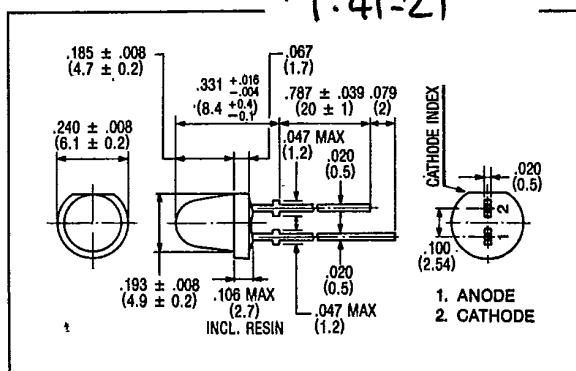


LOW PROFILE T-1¾ LED LAMPS

FEATURES

- Excellent brightness in low profile plastic package.
- Available in all colors including Ultra Red, Green and Yellow.
- Fast response time, capable of pulse applications.



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)
MT430-HR	25	4	70	-20 ~ 75	-30 ~ 100
MT440-HR	25	4	70	-20 ~ 75	-30 ~ 100
MT430-G	25	4	70	-20 ~ 75	-30 ~ 100
MT440-G	25	4	70	-20 ~ 75	-30 ~ 100
MT430-Y	25	4	70	-20 ~ 75	-30 ~ 100
MT440-Y	25	4	70	-20 ~ 75	-30 ~ 100
MT430-O	25	4	70	-20 ~ 75	-30 ~ 100
MT440-O	25	4	70	-20 ~ 75	-30 ~ 100
MT430-UR	25	4	55	-20 ~ 75	-30 ~ 100
MT440-UR	25	4	55	-20 ~ 75	-30 ~ 100
MT430-UG	25	4	70	-20 ~ 75	-30 ~ 100
MT440-UG	25	4	70	-20 ~ 75	-30 ~ 100
MT430-UY	25	4	70	-20 ~ 75	-30 ~ 100
MT440-UY	25	4	70	-20 ~ 75	-30 ~ 100

OPTO-ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

PART NO.	MATERIAL	LENS COLOR	VIEWING ANGLE	LUMINOUS INTENSITY (mcd)				FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVELENGTH nm	SPEC. LINE HALF WIDTH nm
				typ.	min.	typ.	at mA	typ.	max.	at mA	μA	Vr		
MT430-HR	GaAsP/GaP	Red/Clear	20°	10	50	15	2.1	2.8	20	100	4	635	40	
MT440-HR	GaAsP/GaP	Red/Diff.	30°	5	25	15	2.1	2.8	20	100	4	635	40	
MT430-G	GaP/GaP	Green/Clear	20°	10	40	15	2.1	2.8	20	5	4	565	25	
MT440-G	GaP/GaP	Green/Diff.	30°	5	20	15	2.1	2.8	20	5	4	565	25	
MT430-Y	GaAsP/GaP	Yellow/Clear	20°	10	40	15	2.1	2.8	20	100	4	585	32	
MT440-Y	GaAsP/GaP	Yellow/Diff.	30°	5	20	15	2.1	2.8	20	100	4	585	32	
MT430-O	GaAsP/GaP	Orange/Clear	20°	10	40	15	2.1	2.8	20	100	4	610	35	
MT440-O	GaAsP/GaP	Orange/Diff.	30°	5	20	15	2.1	2.8	20	100	4	610	35	
MT430-UR	GaAlAs	Red/Clear	20°	30	100	15	1.75	2.2	20	100	4	660	25	
MT440-UR	GaAlAs	Red/Diff.	30°	10	50	15	1.75	2.2	20	100	4	660	25	
MT430-UG	GaP/GaP	Green/Clear	20°	30	60	15	2.1	2.8	20	5	4	565	25	
MT440-UG	GaP/GaP	Green/Diff.	30°	10	30	15	2.1	2.8	20	5	4	565	25	
MT430-UY	GaAsP/GaP	Yellow/Clear	20°	30	60	15	2.1	2.8	20	100	4	585	32	
MT440-UY	GaAsP/GaP	Yellow/Diff.	30°	10	30	15	2.1	2.8	20	100	4	585	32	

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