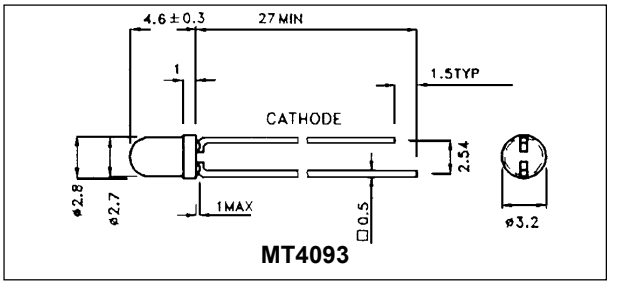
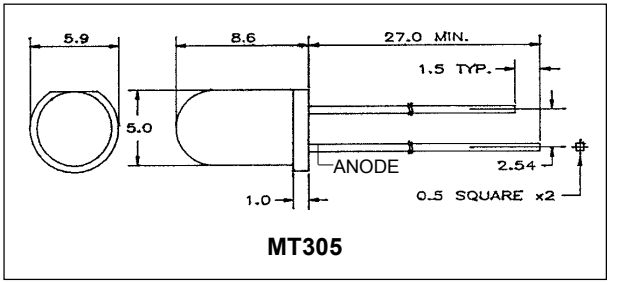
Low Current LED Lamps

FEATURES

- **Optimized for low D.C. current operation**
- **CMOS and TTL compatible**
- **Excellent brightness at 2mA**
- **Color diffused package**



MT4093



MT305

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)
MT4093-HR(2mA)	30	5.0	105	-40~+85	-40~+85
MT4093-G(2mA)	25	5.0	105	-40~+85	-40~+85
MT4093-Y(2mA)	30	5.0	105	-40~+85	-40~+85
MT4093-UR(2mA)	30	5.0	100	-40~+85	-40~+85
MT305-SLHR(2mA)	30	5.0	105	-40~+85	-40~+85
MT305-SLG(2mA)	30	5.0	105	-40~+85	-40~+85
MT305-SLY(2mA)	30	5.0	105	-40~+85	-40~+85
MT305-SLUR(2mA)	30	5.0	100	-40~+85	-40~+85

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.	max.	@mA	typ.	max.	@mA	μA	Vr	nm
MT4093-HR(2mA)	GaAsP/GaP	Red Diff	60°	0.8	5.0	2	2.0	2.5	20	10	5	625
MT4093-G(2mA)	GaP	Green Diff	60°	0.8	3.2	2	2.2	2.5	20	10	5	565
MT4093-Y(2mA)	GaAsP/GaP	Yellow Diff	60°	0.8	3.2	2	2.1	2.5	20	10	5	590
MT4093-UR(2mA)	GaAlAs	Red Diff	60°	8.0	20.0	2	1.85	2.5	20	10	5	660
MT305-SLHR(2mA)	GaAsP/GaP	Red Diff	60°	0.8	5.0	2	2.0	2.5	20	10	5	625
MT305-SLG(2mA)	GaP	Green Diff	60°	0.8	3.2	2	2.2	2.5	20	10	5	565
MT305-SLY(2mA)	GaAsP/GaP	Yellow Diff	60°	0.8	3.2	2	2.1	2.5	20	10	5	590
MT305-SLUR(2mA)	GaAlAs	Red Diff	60°	8.0	20.0	2	1.85	2.5	20	10	5	660

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