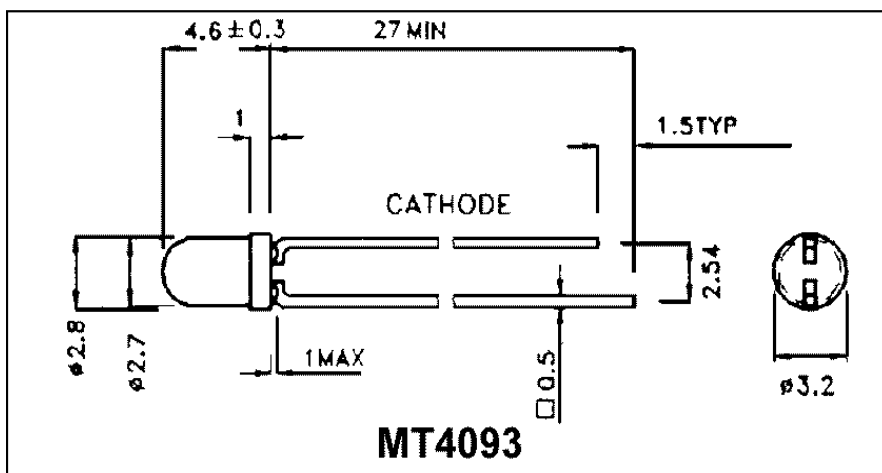




Marktech Low Current 3mm LEDs

Features

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



Series Line-Up

Part Number	Color	Material
MT4093-G(2mA)	Green	GaP
MT4093-HR(2mA)	High Efficiency Red	GaAsP
MT4093-UR(2mA)	Super Ultra Bright Red	GaAlAs
MT4093-Y(2mA)	Yellow	GaAsP

Maximum Ratings (Ta=25°C)

Part Number	Forward Current I _F	Reverse Voltage V _R	Power Dissipation P _D	Operating Temperature T _{opr}	Storage Temperature T _{stg}
MT4093-G(2mA)	25	5	105.00	-40 ~ +85	-40 ~ +85
MT4093-HR(2mA)	30	5	105.00	-40 ~ +85	-40 ~ +85
MT4093-UR(2mA)	30	5	105.00	-40 ~ +85	-40 ~ +85
MT4093-Y(2mA)	30	5	105.00	-40 ~ +85	-40 ~ +85
Unit	mA	V	mW	°C	°C

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Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λ_P	Material	View Angle $2\theta_{1/2}$	Luminous Intensity I_v				Forward Voltage V_F				Rev Current I_R	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
MT4093-G(2mA)	565	GaP	60°	.80	–	3.20	2mA	–	2.20	2.50	20mA	10	5V
MT4093-HR(2mA)	625	GaAsP	60°	.80	–	5.00	2mA	–	2.00	2.50	20mA	10	5V
MT4093-UR(2mA)	660	GaAlAs	60°	8.00	–	20.00	2mA	–	1.85	2.50	20mA	10	5V
MT4093-Y(2mA)	590	GaAsP	60°	.80	–	3.20	2mA	–	2.10	2.50	20mA	10	5V
–	nm	–	deg	mcd				V				μA	–

NOTES:

- All Dimensions are in millimeters.
- Tolerance is $\pm 0.25\text{mm}$ unless otherwise stated.
- An Epoxy Meniscus may extend about 1mm down the leads.
- Burr around bottom of epoxy may be around 0.5mm MAX.
- Specifications are subject to change without notice.