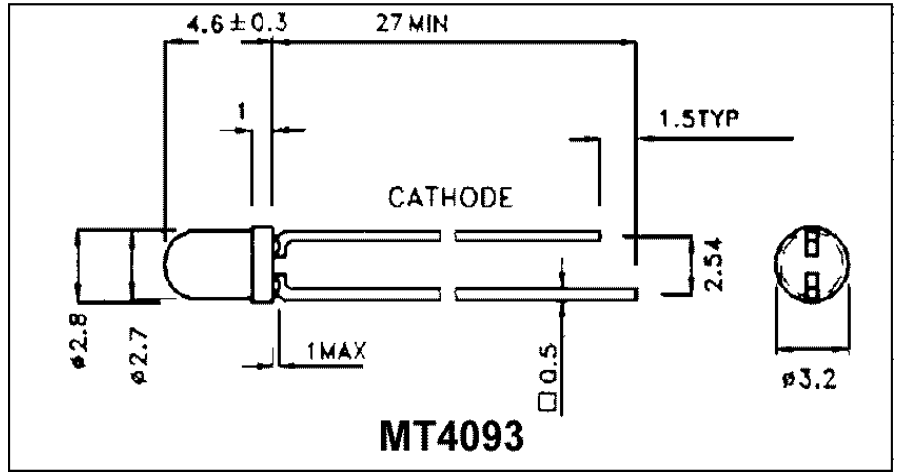


### Features

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 <sub>F</sub>	Reverse Voltage V <sub>R</sub>	Power Dissipation P <sub>D</sub>	Operating Temperature T <sub>opr</sub>	Storage Temperature T <sub>stg</sub>
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

**Company Headquarters**  
 3 Northway Lane North  
 Latham, New York 12110  
 Toll Free: 800.984.5337  
 Fax: 518.785.4725

## Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm $\lambda_P$	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		-	$\mu A$	-

### NOTES:

- All Dimensions are in millimeters.
- Tolerance is  $\pm 0.25$ 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.