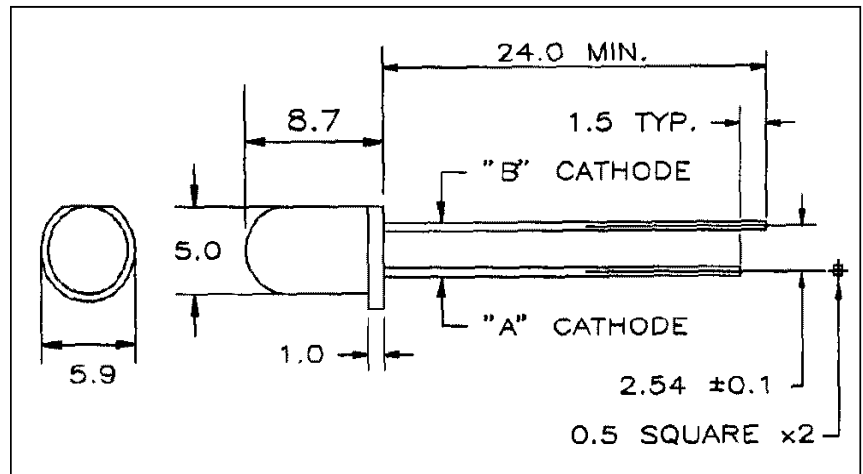


## Features

- Bi-color LED lamp
- White diffused lens
- Low drive current
- All plastic mold type



## Series Line-Up

Part Number	Color	Material
MT5491-HRG	High Efficiency Red	GaAsP
	Yellow Green	GaP
MT5491-RG	Red	GaP
	Yellow Green	GaP
MT5491-YG	Pure Yellow	GaAsP
	Yellow Green	GaP
MT5491A-URG	Ultra Bright Red	GaAlAs
	Yellow Green	GaP

## 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>
MT5491-HRG	30	5	85.00	-25 ~ +85	-25 ~ +100
	30	5	85.00	-25 ~ +85	-25 ~ +100
MT5491-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
	30	5	85.00	-25 ~ +85	-25 ~ +100
MT5491-YG	30	5	85.00	-25 ~ +85	-25 ~ +100
	30	5	85.00	-25 ~ +85	-25 ~ +100
MT5491A-URG	30	4	70.00	-25 ~ +85	-25 ~ +100
	30	5	85.00	-25 ~ +85	-25 ~ +100
Unit	mA	V	mW	°C	°C

**Company Headquarters**  
 3 Northway Lane North  
 Latham, New York 12110  
 Toll free: 1.800.984.5337  
 Fax: 518.785.4725

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

Part Number	PWL nm λP	Material	View Angle 2θ <sub>1/2</sub>	Luminous Intensity I <sub>v</sub>				Forward Voltage V <sub>F</sub>				Rev Current I <sub>R</sub>		
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@	
MT5491-HRG	635	GaAsP	120°	-	35.40	-	20mA	-	2.10	3.00	20mA	100	5V	
	567	GaP	120°	-	30.60	-	20mA	-	2.10	3.00	20mA	100	5V	
MT5491-RG	700	GaP	120°	-	6.20	-	20mA	-	2.10	3.00	20mA	100	5V	
	567	GaP	120°	-	30.60	-	20mA	-	2.10	3.00	20mA	100	5V	
MT5491-YG	585	GaAsP	120°	-	25.20	-	20mA	-	2.10	3.00	20mA	100	5V	
	567	GaP	120°	-	30.60	-	20mA	-	2.10	3.00	20mA	100	5V	
MT5491A-URG	660	GaAlAs	118°	-	240.00	-	20mA	-	1.90	2.50	20mA	100	4V	
	567	GaP	118°	-	30.60	-	20mA	-	2.10	3.00	20mA	100	5V	
-	nm	-	deg	mcd				-	V			-	μ A	-

### NOTES:

- All Dimensions are in millimeters.
- Tolerance is ±0.25mm 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.

Company Headquarters  
3 Northway Lane North  
Latham, New York 12110  
Toll free: 1.800.984.5337  
Fax: 518.785.4725

Web: [www.marktechopto.com](http://www.marktechopto.com) | Email: [info@marktechopto.com](mailto:info@marktechopto.com)



West Coast Sales Office  
950 South Coast Drive, Suite 225  
Costa Mesa, California 92626  
Toll Free: 800.984.5337  
Fax: 714.850.9314