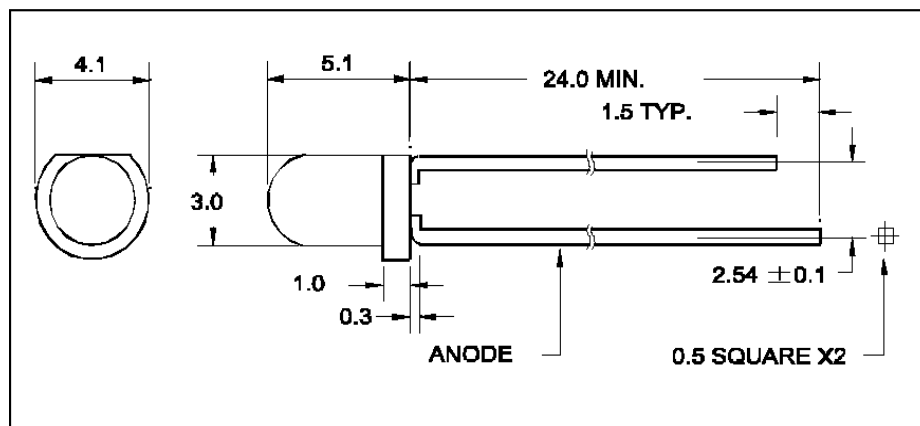


Features

Choice of lens color
Low drive current
Can be packaged on tape in a reel or in a box
Excellent on/off contrasts



Series Line-Up

Part Number	Color	Material
MT1103-RG	Red	GaP
MT1403-RG	Red	GaP
MT2103-G	Yellow Green	GaP
MT2403-G	Yellow Green	GaP
MT3103-Y	Pure Yellow	GaAsP
MT3403-Y	Pure Yellow	GaAsP
MT4103-O	High Efficiency Red	GaAsP
MT4103-HR	High Efficiency Red	GaAsP
MT4403-HR	High Efficiency Red	GaAsP
MT4403-O	High Efficiency Red	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}
MT1103-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
MT1403-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
MT2103-G	30	5	85.00	-25 ~ +85	-25 ~ +100
MT2403-G	30	5	85.00	-25 ~ +85	-25 ~ +100
MT3103-Y	30	5	85.00	-25 ~ +85	-25 ~ +100
MT3403-Y	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4103-O	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4103-HR	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4403-HR	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4403-O	30	5	85.00	-25 ~ +85	-25 ~ +100
Unit	mA	V	mW	°C	°C

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Menands, New York 12204
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Fax: 518.432.7454

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Toll Free: 800.984.5337
Fax: 562.628.5572

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@
MT1103-RG	700	GaP	56°	1.00	2.40	–	20mA	–	2.10	3.00	20mA	100	5V
MT1403-RG	700	GaP	36°	3.20	8.20	–	20mA	–	2.10	3.00	20mA	100	5V
MT2103-G	567	GaP	56°	4.80	40.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT2403-G	567	GaP	36°	16.00	80.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT3103-Y	585	GaAsP	56°	4.00	25.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT3403-Y	585	GaAsP	36°	13.40	60.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4103-O	635	GaAsP	56°	5.60	35.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4103-HR	635	GaAsP	56°	5.60	35.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4403-HR	635	GaAsP	36°	18.80	75.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4403-O	635	GaAsP	36°	18.80	75.00	–	20mA	–	2.10	3.00	20mA	100	5V
–	nm	–	deg	mcd			–	V			–	mA	–

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.