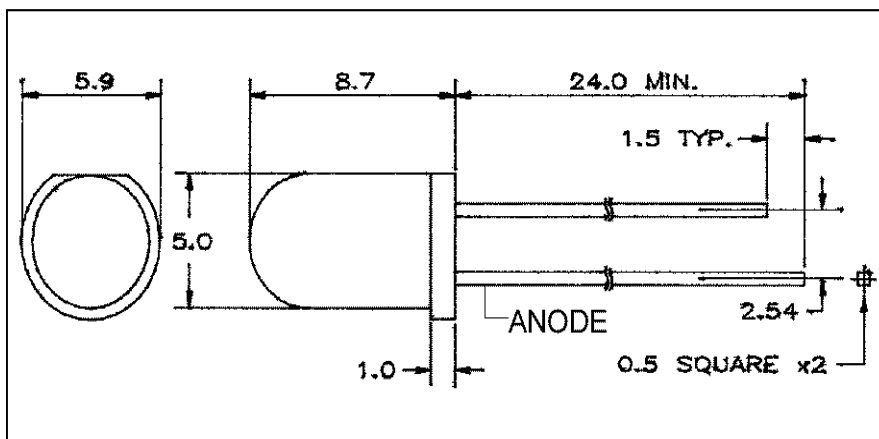


Features

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
MT1218-RG	Red	GaP
MT1318-RG	Red	GaP
MT2218-G	Yellow Green	GaP
MT2318-G	Yellow Green	GaP
MT3218-Y	Pure Yellow	GaAsP
MT3318-Y	Pure Yellow	GaAsP
MT4218-HR	High Efficiency Red	GaAsP
MT4318-HR	High Efficiency Red	GaAsP

Maximum Ratings (Ta=25°C)

Part Number	Forward Current If	Reverse Voltage VR	Power Dissipation Pd	Operating Temperature Topr	Storage Temperature Tstg
MT1218-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
MT1318-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
MT2218-G	30	5	85.00	-25 ~ +85	-25 ~ +100
MT2318-G	30	5	85.00	-25 ~ +85	-25 ~ +100
MT3218-Y	30	5	85.00	-25 ~ +85	-25 ~ +100
MT3318-Y	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4218-HR	30	5	85.00	-25 ~ +85	-25 ~ +100
MT4318-HR	30	5	85.00	-25 ~ +85	-25 ~ +100
Unit	mA	V	mW	°C	°C

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Fax: 518.432.7454

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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@
MT1218-RG	700	GaP	44°	1.40	3.60	–	20mA	–	2.10	3.00	20mA	100	5V
MT1318-RG	700	GaP	22°	5.00	12.40	–	20mA	–	2.10	3.00	20mA	100	5V
MT2218-G	567	GaP	44°	7.20	100.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT2318-G	567	GaP	22°	24.20	330.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT3218-Y	585	GaAsP	44°	5.80	65.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT3318-Y	585	GaAsP	22°	19.80	210.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4218-HR	635	GaAsP	44°	8.20	75.00	–	20mA	–	2.10	3.00	20mA	100	5V
MT4318-HR	635	GaAsP	22°	28.00	250.00	–	20mA	–	2.10	3.00	20mA	100	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.