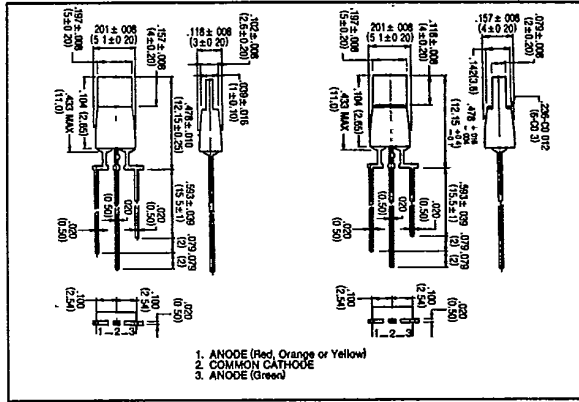


# TRI-STATE LAMPS

T.41-25

## FEATURES

- All plastic mold type, lusterless lens.  
 MT205: Rectangular type (surface size 1x5mm).  
 MT208: Rectangular type (surface size 2x5mm).
- Low drive current, high intensity light emission.
- Recommended forward current:  
 $I_F = 15 \sim 20\text{mA (DC)}$ .
- Fast response time, capable of pulse operation.



## MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

PART NO.	FORWARD CURRENT ( $I_F$ ) (mA)	REVERSE VOLTAGE ( $V_R$ ) (V)	POWER DISSIPATION ( $P_D$ ) (mW)	OPERATING TEMPERATURE ( $T_{opr}$ ) ( $^\circ\text{C}$ )	STORAGE TEMPERATURE ( $T_{stg}$ ) ( $^\circ\text{C}$ )
MT205-HRG(R)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT205-OG (O)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT205-YG (Y)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT208-HRG(R)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT208-OG (G)	25	4	75	-20 ~ 75	-30 ~ 100
(O)	25	4	75	-20 ~ 75	-30 ~ 100
MT208-YG (Y)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100

## OPTO-ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

PART NO.	MATERIAL	LENS COLOR	SURFACE SIZE	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVELENGTH nm	SPEC. LINE HALF WIDTH nm
				min.	typ.	at mA	typ.	max.	at mA	$\mu\text{A}$	$V_r$		
MT205-HRG(R)	GaAsP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	635	40
(G)	GaP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25
MT205-OG (O)	GaAsP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	610	35
(G)	GaP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25
MT205-YG (Y)	GaAsP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	585	32
(G)	GaP/GaP	Milky/Diff.	1x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25
MT208-HRG(R)	GaAsP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	635	40
(G)	GaP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25
MT208-OG (G)	GaAsP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	610	35
(O)	GaP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25
MT208-YG (Y)	GaAsP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	585	32
(G)	GaP/GaP	Milky/Diff.	2x5mm	.5	1.5	15	2.1	2.8	20	100	4	565	25