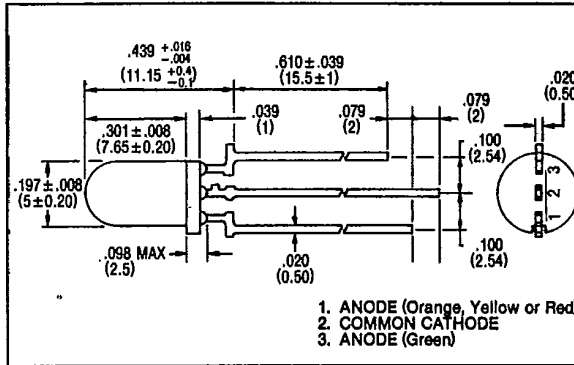


# TRI-STATE LAMPS

T-41-25

## FEATURES

- All plastic mold type, lusterless lens.
- 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 (Ta = 25°C)

PART NO.	FORWARD CURRENT (I <sub>F</sub> ) (mA)	REVERSE VOLTAGE (V <sub>R</sub> ) (V)	POWER DISSIPATION (P <sub>D</sub> ) (mW)	OPERATING TEMPERATURE (T <sub>opr</sub> ) (°C)	STORAGE TEMPERATURE (T <sub>stg</sub> ) (°C)
MT116-OG (O)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT116-YG (Y)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100
MT116-HRG (R)	25	4	75	-20 ~ 75	-30 ~ 100
(G)	25	4	75	-20 ~ 75	-30 ~ 100

## OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

PART NO.	MATERIAL	LENS COLOR	VIEWING ANGLE	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVELENGTH (nm)	SPEC. LINE HALF WIDTH (nm)
				typ.	min.	at mA	typ.	max.	at mA	μA	V <sub>r</sub>		
MT116-OG (O)	GaAsP/GaP	Milky/Diff.	80°	1.5	5.0	15	2.1	2.8	20	100	4	610	35
(G)	GaP/GaP	Milky/Diff.	80°	1.5	5.0	15	2.1	2.8	20	100	4	565	25
MT116-YG (Y)	GaAsP/GaP	Milky/Diff.	80°	1.5	5.0	15	2.1	2.8	20	100	4	585	32
(G)	GaP/GaP	Milky/Diff.	80°	1.5	5.0	15	2.1	2.8	20	100	4	565	25
MT116-HRG (R)	GaAsP/GaP	Milky/Diff.	80°	1.5	7.0	15	2.1	2.8	20	100	4	635	40
(G)	GaP/GaP	Milky/Diff.	80°	1.5	5.0	15	2.1	2.8	20	100	4	565	25