

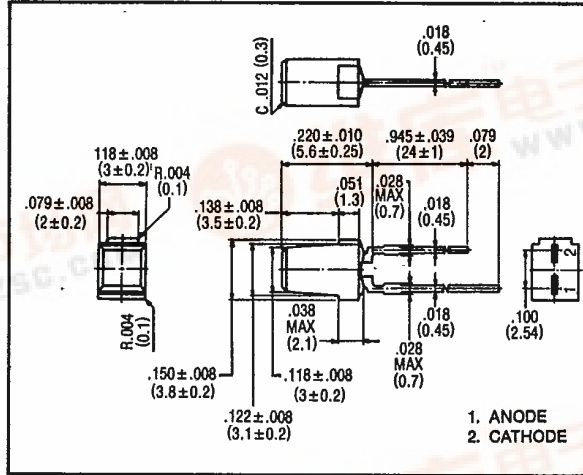
MARKTECH INTERNATIONAL 18E D ■ 5799655 0000318 0 ■

# 3x3mm RECTANGULAR LED LAMPS

T-41-23

## FEATURES

- All plastic mold type.
- Rectangular type (surface size: 3x3mm).
- Low drive current, high intensity light emission.
- Recommended forward current:  
I<sub>F</sub> = 10 ~ 15mA (DC).
- Fast response time, capable of pulse operation.



## MAXIMUM RATINGS (T<sub>a</sub> = 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)
MT109-R	20	4	58	-20 ~ 75	-30 ~ 100
MT109-G	25	4	70	-20 ~ 75	-30 ~ 100
MT109-Y	25	4	70	-20 ~ 75	-30 ~ 100

## OPTO-ELECTRICAL CHARACTERISTICS (T<sub>a</sub> = 25°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.	@mA	typ.	max.	@ mA	μA	V <sub>r</sub>		
MT109-R	GaP/GaP	Red/Diff	3x3mm	.4	.8	10	2.1	2.8	20	5	4	700	100
MT109-G	GaP/GaP	Green/Diff	3x3mm	.8	1.5	10	2.1	2.8	20	5	4	565	25
MT109-Y	GaAsP/GaP	Yellow/Diff	3x3mm	.5	1.3	10	2.1	2.8	20	100	4	585	32

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